



481641

**APPENDIX I**  
**WELL SURVEY DOCUMENTATION**

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS2484851	0 - 1/8 Mile ENE
A2	USGS2484853	1/8 - 1/4 Mile ENE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
13	IL3008656	1/2 - 1 Mile South

Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	GIL00140659	1/8 - 1/4 Mile East
B4	GIL00140764	1/8 - 1/4 Mile NNW
B5	GIL00140763	1/8 - 1/4 Mile NNW
B6	GIL00140762	1/8 - 1/4 Mile NNW
7	GIL00140761	1/8 - 1/4 Mile NE
C8	GIL00140770	1/8 - 1/4 Mile SSW
C9	GIL00140769	1/8 - 1/4 Mile SSW
10	GIL00141324	1/4 - 1/2 Mile East
11	GIL00140773	1/4 - 1/2 Mile ESE
12	GIL00140772	1/2 - 1 Mile ESE

# PHYSICAL SETTING SOURCE MAP - 1401162.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

**TARGET PROPERTY:** Former American Zinc  
**ADDRESS:** 2575 Kings Highway  
**CITY/STATE/ZIP:** Fairmont City IL 62201  
**LAT/LONG:** 38.6457 / 90.0948

**CUSTOMER:** Entact, Inc.  
**CONTACT:** Pat Thomson  
**INQUIRY #:** 1401162.2s  
**DATE:** April 18, 2005 8:48 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**A1**

**ENE**

**0 - 1/8 Mile**

**Higher**

**FED USGS**

**USGS2484851**

Agency cd:	USGS	Site no:	383846090053301
Site name:	2N 9W- 3.8b1	Latitude:	383846
Longitude:	900533	Dec lat:	38.64616114
Dec lon:	-90.09260729	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	17
State:	17	County:	163
Country:	US	Land net:	Not Reported
Location map:	MONKS MOUND, IL	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	CahokiaJoachim. Illinois, Missouri. Area = 1650 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported	Aquifer:	Not Reported
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	441705200
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1982-09-23
Water quality data end date:	1982-12-16	Water quality data count:	2
Ground water data begin date:	1982-09-23	Ground water data end date:	1982-09-23
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1982-09-23	19.30	

**A2**

**ENE**

**1/8 - 1/4 Mile**

**Higher**

**FED USGS**

**USGS2484853**

Agency cd:	USGS	Site no:	383847090053301
Site name:	2N 9W- 3.8b2	Latitude:	383847
Longitude:	0900533	Dec lat:	38.64643892
Dec lon:	-90.09260728	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	17
State:	17	County:	163
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	CahokiaJoachim. Illinois, Missouri. Area = 1650 sq.mi.		
Topographic:	Not Reported.		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported	Aquifer:	Not Reported
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1982-09-23
Water quality data end date:	1982-12-16	Water quality data count:	2
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**A3**  
**East**  
**1/8 - 1/4 Mile**  
**Higher**

**IL WELLS      GIL00140659**

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630144200	Boring:	0
Well Type:	Water Well	Y Coord:	2048535
X Coord:	2831844		

**B4**  
**NNW**  
**1/8 - 1/4 Mile**  
**Higher**

**IL WELLS      GIL00140764**

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630188800	Boring:	0
Well Type:	Water Well	Y Coord:	2049257
X Coord:	2830545		

**B5**  
**NNW**  
**1/8 - 1/4 Mile**  
**Higher**

**IL WELLS      GIL00140763**

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630188700	Boring:	0
Well Type:	Water Well	Y Coord:	2049257
X Coord:	2830545		

**B6**  
**NNW**  
**1/8 - 1/4 Mile**  
**Higher**

**IL WELLS      GIL00140762**

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630188600	Boring:	0
Well Type:	Water Well	Y Coord:	2049257
X Coord:	2830545		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

7  
NE  
1/8 - 1/4 Mile  
Higher

IL WELLS GIL00140761

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630188500	Boring:	0
Well Type:	Water Well	Y Coord:	2049198
X Coord:	2831850		

C8  
SSW  
1/8 - 1/4 Mile  
Higher

IL WELLS GIL00140770

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630189400	Boring:	0
Well Type:	Water Well	Y Coord:	2047293
X Coord:	2830533		

C9  
SSW  
1/8 - 1/4 Mile  
Higher

IL WELLS GIL00140769

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630189300	Boring:	0
Well Type:	Water Well	Y Coord:	2047293
X Coord:	2830533		

10  
East  
1/4 - 1/2 Mile  
Higher

IL WELLS GIL00141324

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630360000	Boring:	0
Well Type:	Water Well	Y Coord:	2048439
X Coord:	2832515		

11  
ESE  
1/4 - 1/2 Mile  
Higher

IL WELLS GIL00140773

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630189700	Boring:	0
Well Type:	Water Well	Y Coord:	2047199
X Coord:	2833156		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

12  
ESE  
1/2 - 1 Mile  
Higher

IL WELLS GIL00140772

Info Source:	IL Geological Survey	Group Number:	31
API ID:	121630189600	Boring:	0
Well Type:	Water Well	Y Coord:	2047516
X Coord:	2833485		

13  
South  
1/2 - 1 Mile  
Lower

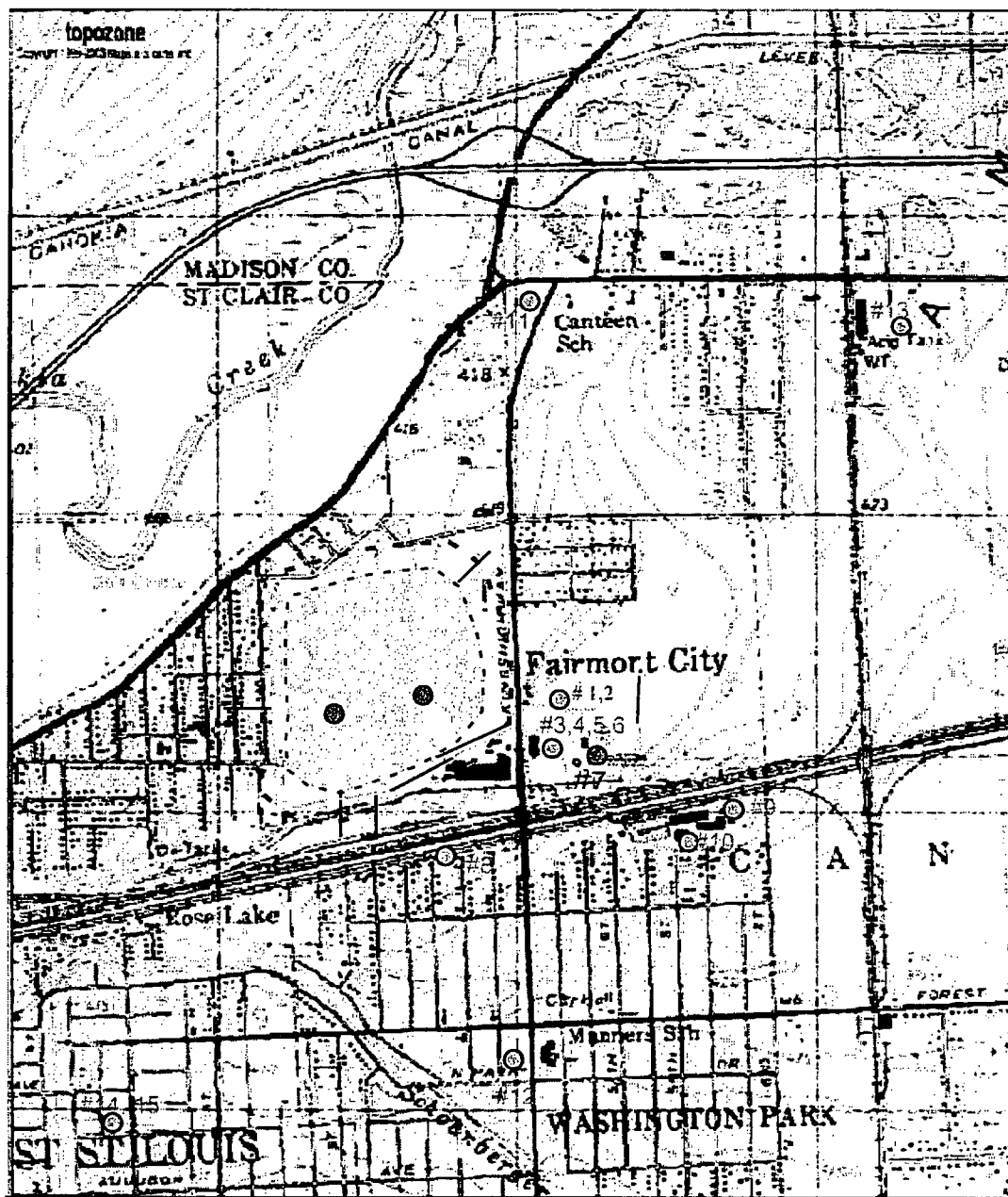
FRDS PWS IL3008656

PWS ID:	IL3008656	PWS Status:	Active
Date Initiated:	7706	Date Deactivated:	Not Reported
PWS Name:	EAST SIDE HEALTH DISTRICT 5540 BUNKUM RD WASHINGTON PK IL 62204		

Addressee / Facility: System Owner/Responsible Party  
GATEWAY MIDSTATE TRUCK PLAZA  
699 HWY 203  
EAST ST LOUIS, IL 62201

Facility Latitude:	38 38 06	Facility Longitude:	090 05 34
City Served:	Not Reported		
Treatment Class:	Treated	Population:	00000050

PWS currently has or had major violation(s) or enforcement: No



0 0.3 0.6 0.9 1.2 1.5 km  
0 0.2 0.4 0.6 0.8 1 mi

UTM 15 752984E 4281709N (NAD27)  
Fairmont City, USGS Monks Mound (IL) Quadrangle  
Projection is UTM Zone 15 NAD83 Datum

M=-0.041  
G=1.817

- Abandoned Facility Wells
- Domestic Use
- ⊙ Industrial/Commercial Use
- Facility Boundary
- Approximate extent of slag
- Minimum Setback Zone

Location of Nearest Potable Wells  
Old American Zinc Plant Site, Fairmont City, Illinois





## Illinois State Water Survey

Main Office • 2204 Griffith Drive • Champaign, IL 61820-7495 • Tel (217) 333-2210 • Fax (217) 333-6540  
Peoria Office • P.O. Box 697 • Peoria, IL 61652-0697 • Tel (309) 671-3196 • Fax (309) 671-3106



3/20/2006

Ms. Melanie Gotto  
ENTACT & Associates  
1010 Executive Court, Suite 280  
Westmont, IL 60559

Dear Ms. Gotto:

As you requested in your electronic message on March 06, 2006, we are enclosing copies of water well construction reports for the following locations:

<u>COUNTY</u>	<u>TOWNSHIP</u>	<u>RANGE</u>	<u>SECTIONS</u>
ST. CLAIR	2 NORTH	9 WEST	2-10, 14-18
ST. CLAIR	3 NORTH	9 WEST	26-35

The enclosed statement reflects the charges for this request which includes a \$45.00 paper document fee and a \$0.10 per page charge for 190 pages, plus a \$5.00 shipping and handling fee, totaling \$69.00.

If you have any questions or if I can be of further assistance, please call

Sincerely,

A handwritten signature in cursive script that reads "Susie Casey".

Susie Dodd-Casey  
Associate Supportive Scientist  
Center for Groundwater Science  
Phone: (217) 333-9043

Enclosures as stated

November 21, 1972

# PARTIAL ANALYSIS

Sample of water collected October 9, 1972 from Well No. 13 owned by the Allied Chemical Corporation in East St. Louis, Illinois in St. Clair County. Location of well: 250'N, 1000'E of the SW corner of Sec. 3.7a-T2N-R9W. Depth of well: 115 feet.

LABORATORY NO. 190242

	mg/l	me/l			mg/l	me/l
Iron(total) Fe	56.		Fluoride	F	0.8	
Manganese Mn	5.87		Nitrate	NO <sub>3</sub>	0.4	.01
			Chloride	Cl <sup>-</sup>	17.	.48
			Sulfate	SO <sub>4</sub>	1007.9	20.96
Turbidity	321		Hardness	(as CaCO <sub>3</sub> )	1040.	20.80
Color	— 0					
Odor	0					
Temp. (reported)	57.0°F.		Total Dissolved Minerals		1590.	

mg/l = milligrams per liter  
me/l = milliequivalents per liter  
mg/l x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

Laurel M. Henley  
Associate Chemist

LH/sp

170242

## WELL INVENTORY SCHEDULE

Well No. 575-11-20-35  
Owner's No. 15Location SE 1/4 Sec 20 Twp. No. 21 N Range 20 E  
Section 20 Twp. No. 21 N Range 20 E  
Feet from Sec. Cor. 25' N 100' E 100' SOwner W.H. B. Co. Address E. H. Lane

Driller \_\_\_\_\_ Address \_\_\_\_\_

Date drilled 1960 Method \_\_\_\_\_Depth 115' Hole record 38"

+	+	+	+	+	+	h
+	+	+	+	+	+	g
+	+	+	+	+	+	f
+	+	+	+	+	+	e
+	+	+	+	+	+	d
+	+	+	+	+	+	c
+	+	+	+	+	+	b
+	+	+	+	+	+	a

8 7 6 5 4 3 2 1

Casing record 20' 00" - 4' 11.6" - 94.6" 0.0355 wall thicknessScreen record WCP Johnson 4' 11.6" - 20" 94.6" - 115"  
Gravel pack to 28' above screen, W.B. 90 1/2" to 1/8"Log SC-back Drill cuttings \_\_\_\_\_ Sample set no. \_\_\_\_\_Chief aquifer Sand + Gravel from \_\_\_\_\_ to \_\_\_\_\_ Other aquifer \_\_\_\_\_Land surface elev. 400 ± 1' M Topography \_\_\_\_\_Nonpumping level \_\_\_\_\_ above  
below measuring point on \_\_\_\_\_ at \_\_\_\_\_ AM  
(date) PMPumping level \_\_\_\_\_ above  
below measuring point after pumping at \_\_\_\_\_ AM  
\_\_\_\_\_ gpm for \_\_\_\_\_ hours on \_\_\_\_\_ at \_\_\_\_\_ PM  
(date)

Measuring point (MP) for above measurements \_\_\_\_\_

Airline and measuring equipment \_\_\_\_\_

Pump and power \_\_\_\_\_

Use of water \_\_\_\_\_

Water quality \_\_\_\_\_

Analysis No. and date \_\_\_\_\_ Temp. 57.6°FData collected by W.H. B. Co. Date 10-9-72Source of information H.R. D. E. Smith, Jr. + 545 E. 100'

Can well be used in pumping test? \_\_\_\_\_ Are nearby observation

wells available? \_\_\_\_\_ Are pumping records available? \_\_\_\_\_

Are water level records available? \_\_\_\_\_

Remarks:

ILLINOIS STATE WATER SURVEY

Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City East St. Louis County St. Clair  
Name of owner Am. Asph. & Roofing Co.  
Exact identification of well No. 1  
Exact location of well So. East car property

Sample collected on (date) Mar 25 at (time) 12 noon  
after 24 hours pumping at 300 gal. per min.

Tap used for sample\*: at well storage tank, distribution system

Depth of well 115 feet. Diameter 10 inches,  
Cased to 96 feet. Screen from 96 feet to 115 feet

Where possible report also:

Log of well \_\_\_\_\_  
Date drilled 1939 Well driller Watson J. St. Louis  
Major repairs none  
Type of pump Sterling  
Hours or days in use per week 7 days  
Non-pumping level 23 feet. Pumping level 32 feet

expressed as: \* Mean Sea level. Feet below top. Gage reading.

Sea level elevation of top of well no sea level

Temperature of water 60 Sample collected by D. Crompton

For office use: Analysis No. 95635

\*circle the correct designation.

*J. E. Hines*

*Leaving*  
American Asphalt Co., 31st and St. Clair

Drilled by H. L. Watson (Bud Graves)

Feb. 1947

Formations passed through	Thickness	Depth of bottom
Fine sand	76	<u>76</u>
Med. formation	29	105 TD

*Bedrock > 120'*

Static level from surf. 33'

Slot 40

Diam. 10

Length 26' 8"

*STC 2N 9W - 17.26*

*Elevation 410*

May 5, 1943

SHORT PARTIAL ANALYSIS

Sample of water collected April, 1943 from well  
owned by the American Zinc Co., Fairmont, St. Clair  
County, Illinois. Location of well: 400' N. & 2200' W.  
Sec. 4, T. 2 N., R. 9 W. Depth: 100'. *STC2N9W-4.4a*

LABORATORY NO. 95964

Determinations made

		Pts. per million
Turbidity	more than	100
Color	" "	100
Odor		Cm
Iron	Fe	
(filtered)		0.0
(unfiltered)		112.4
Chloride	Cl	42.5
Alkalinity	(as $\text{CaCO}_3$ )	
Phenolphthalein		0.0
Methyl Orange		270.0
Total Hardness	(as $\text{CaCO}_3$ )	1273.
Total Mineral Content		1882.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL:AE

May 5, 1943

SHORT PARTIAL ANALYSIS

Sample of water Collected March 30, 1943 from well owned by the American Zinc Co., Fairmont, St. Clair County, Illinois. Location of well: 1300' N. & 1900' W. of SE. Cor., Sec. 4, T. 2 N., R. 9 W. Depth: 100-110'.

LABORATORY NO. 95738

Determinations made

		Pts. per million
Turbidity		140.0
Color		140.0
Odor		0.0
Iron	Fe	
(filtered)		0.0
(unfiltered)		4.2
Chloride	Cl	4.5
Alkalinity	(as CaCO <sub>3</sub> )	
Phenolphthalein		0.0
Methyl Orange		382.0
Total Hardness (as CaCO <sub>3</sub> )		919.
Total Mineral Content		1178.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL:AB

STC 2N9W-4.3b

May 5, 1943

SHORT PARTIAL ANALYSIS

Sample of water collected March 30, 1943 from well owned by the American Zinc Co., Fairmont, St. Clair, County, Illinois. Location of well: 1800' N. & 1850' W. SE. Cor., Sec. 4, T. 2 N., R. 9 W. Depth: 122'

LABORATORY NO. 95725

Determinations made

		Pts. per million
Turbidity		130.
Color		130.
Odor		0.
Iron	Fe	
(filtered)		0.0
(unfiltered)		8.2
Chloride	Cl	13.0
Alkalinity	(as CaCO <sub>3</sub> )	
Phenolphthalein		0.0
Methyl Orange		314.0
Total Hardness	(as CaCO <sub>3</sub> )	401.
Total Mineral Content		477.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL:AB

STC 2N9W-4.3C



ILLINOIS STATE WATER SURVEY

Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City Farmington County S. Blair

Name of owner Amer. Zinc

Exact identification of well Galena Plant Corp. No. 1 well

Exact location of well 1300 N + 1900 W of S E Cor

Sec 4 T2N R9W

Sample collected on (date) 2-30-42 at (time) 2:20 P.M.

after 5 hours pumping at 1000 gal. per min.

Tap used for sample\*: at well storage tank, distribution system

Depth of well 10-11 feet. Diameter 16 inches,

Cased to 30' feet. Screen from 30' feet to 30' feet

Where possible report also:

Log of well \_\_\_\_\_

Date drilled Oct 1942 Well driller Wagon

Major repairs None

Type of pump A-1. 500K

Hours or days in use per week 7 days

Non-pumping level \_\_\_\_\_ feet. Pumping level \_\_\_\_\_ feet

expressed as: \* Mean Sea level. Feet below top. Gage reading.

Sea level elevation of top of well 45.10

Temperature of water \_\_\_\_\_ Sample collected by John E. ...

For office use: Analysis No. 95726

\*circle the correct designation.

# ILLINOIS STATE WATER SURVEY

## Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City Farmington County St. Clair

Name of owner Am. Zinc Co

Exact identification of well Del. Plant Co. N. Well

Exact location of well 1500' N 1850' W SE 1/4 Sec 4  
T 2 N R 9 W

Sample collected on (date) 3-30-42 at (time) 1:30 PM

after 24 hours pumping at 1800 gal. per min.

Tap used for sample\*: at well storage tank, distribution system

Depth of well 122 feet. Diameter 16 inches,

Cased to 92 feet. Screen from 92 feet to 122 feet

Where possible report also:

16" Cook brass

Log of well 70-75 fine sand 75-85 fine sand 85-95 fine sand 100-105 coarse sand

Date drilled June 1942 Well driller Watson

Major repairs \_\_\_\_\_

Type of pump AJ Cook

Hours or days in use per week 2 hrs per day

Non-pumping level 35-40 feet. Pumping level \_\_\_\_\_ feet

expressed as: \* Mean Sea level. Feet below top. Gage reading.

Sea level elevation of top of well not recorded

Temperature of water \_\_\_\_\_ Sample collected by Harper

For office use: Analysis No. 95725-

\*circle the correct designation.

American Zinc Co., Monsanto, Ill.

Drilled by H. L. Watson (G. W. Fink)

Nov. 1950

Formations passed through	Thickness	Depth of bottom
Mud	35	35
Sand	45	<u>80</u>
Med. sand	20	100
Sand and coarse gravel	4	104

Diam. 40"

Length 60'

STC 2N10W-26.2h3

Elevation 410

P-244661

American Zinc, Fairmont City, Ill.

Drilled by H. L. Watson (Bud Graves)

June 1942

Formations passed through	Thickness	Depth of bottom
No log	70	
Fine sand	5	75
Fine sand and gravel	10	85
Fine sand	10	<u>95</u>
Med. sand and gravel	5	100
Coarse sand and gravel	5	105
Fine pink sand	5	110
Pink sand	5	115
Pink sand and gravel	7	122

Static level from surf. 25'9"

Tested capacity 806 gpm

Diam. 16

STC 2N9W-4.2b

Elevation 420

2:

P-244661

# ILLINOIS STATE WATER SURVEY

## Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City Farmington County St. Clair

Name of owner Amor Zinc

Exact identification of well Pow. House

Exact location of well 100' N 1800' W of SE Cor  
Sec 4 T2N R 9W

Sample collected on (date) 4-1-43 at (time) noon  
after 5 hours pumping at 450 gal. per min.

Tap used for sample\*: at well storage tank, distribution system

Depth of well 119 feet. Diameter 7 inches,

Cased to 72 feet. Screen from 72 feet to 112 feet

Where possible report also:

Log of well \_\_\_\_\_

Date drilled 1932 Well driller W. H. H. H.

Major repairs None

Type of pump Electric

Hours or days in use per week 2 1/2 av. 5.3 hr.

Non-pumping level \_\_\_\_\_ feet. Pumping level \_\_\_\_\_ feet pd.

expressed as: \* Mean Sea level. Feet below top. Gage reading.

Sea level elevation of top of well \_\_\_\_\_

Temperature of water \_\_\_\_\_ Sample collected by Har. H. H.

For office use: Analysis No. 95772

\*circle the correct designation.

City Ice and Fuel - Banner Ice- 13th St.

Drilled by H. L. Watson (Oscar Waly)

May 1946

Formations passed through	Thickness	Depth of bottom
Mud	37	37
Sand and gravel	19	56
Mud	1	57
Fine sand	33	90
Mud, rocky and fine sand	2	92
Coarse sand and gravel	5	97
Pink sand	3	100
Pink fine sand and rocks	5	105
Coarse pink sand and gravel	5	110
Med. " " " "	6	116 TD

Near bedrock

Static level from surf. approx. 26'

Slot 20

Diam. 12

Length 17' 5"

STC2N9W-18.5h1

elevation 415  
37  
378

2052-7

Banner Ice Co., 917 N. 13th St., E. St. Louis, Ill.  
 Drilled by H. L. Watson (Moretti)

Apr. 1941

Formations passed through	Thickness	Depth of bottom
	70	70
No log	5	75
Fine sand	10	85
Fine sand and gravel	5	<u>90</u>
Fine sand	10	100
Coarse sand and gravel	5	105
Fine sand and gravel	5	110
Coarse sand and gravel	5	115 TD
" " " "		

*Near bedrock*

Diam. 12"

Length 18'9"

STC 2N9W-18.5h2

ILLINOIS STATE WATER SURVEY

Collection of Water Samples

T<sup>2</sup><sub>N</sub>  
R<sup>3</sup><sub>W</sub>

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City St. Louis County St. Charles  
Name of owner Perale Paving Co  
Exact identification of well Well No. 2  
Exact location of well 250 N. 8. of office

Sample collected on (date) Aug 17 at (time) 12:15  
after 1.5 hours pumping at 350 gal. per min.

Tap used for sample\*: at well, storage tank, distribution system

Depth of well 111 feet. Diameter 12 inches,  
Cased to 20 feet. Screen from 91 feet to 111 feet

Where possible report also:

Log of well \_\_\_\_\_  
Date drilled 1941 Well driller Waterbury  
Major repairs none  
Type of pump Sterling Hervey Drive  
Hours or days in use per week 18  
Non-pumping level 35 feet. Pumping level \_\_\_\_\_ feet

expressed as: \* Mean Sea level. Feet below top. Gage reading.

Sea level elevation of top of well 420.47

Temperature of water 60 Sample collected by J. H. H. H.

For office use: Analysis No. 27123

\*circle the correct designation.

August 25, 1943

SHORT PARTIAL ANALYSIS

Sample of water collected August 17, 1943 from well owned by the Circle Packing Co., Well No. 2, East St. Louis, Illinois. Location of well: 250' NE of office. Depth of well: 111'. Rate of pumping: 350 gpm. after 15 hours. 319 Winstanley Ave. Near center Sec. 7, T. 2 N., R. 9 E.

LABORATORY NO. 97143

Determinations Made

	Pts. per Million
Turbidity	100
Color	0
Odor	0
Iron	Fe
(unfiltered)	8.6
Chloride	Cl
Alkalinity (as $\text{CaCO}_3$ )	22.0
Phenolphthalein	0.
Methyl Orange	354.
Total Hardness (as $\text{CaCO}_3$ )	455.
Total Mineral Content	633.

Temperature 60° F.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL:AB

STC 2098-7.6d

4156



*E. St. Louis folder*  
*2N9W-7*

Circle Packing Co., 319 Winstandy - E. St. Louis

Drilled by H. L. Watson (Claridge)

Feb. 1942

Formations passed through	Thickness	Depth of bottom
Mud	20	20
Fine sand	20	40
Small layer mud at		60
Fine sand	6	66
Fine gravel and sand	14	80
Coarse gravel	20	100
Fine sand with rock	10	110
Pink sand	10	120 TD

*To bedrock*

Static level from surf. 40'

Screen Cook

Slot 40

Diam. 10

Length 21'3"

*STC 2N9W-7.5E*  
*Elevation 410*

190251

SP

## WELL INVENTORY SCHEDULE

Near East St. Louis

Well No. 37C 2N4W-7.523Owner's No. 3

Location So. end of plot County St. Clair  
 Section 7.523 Twp. No. 2N Range 7W  
 Feet from Sec. Cor. 2500'S, 1600'E, 4 NW 1/4

Owner Tride Packing Co. Address C. St. Louis

Driller Luke R. Lee Address Columbia

Date drilled 1962 Method reverse circulation

Depth 112' Hole record 37" 0-112'

Casing record 12" wood 0-70'

Screen record 16" 70-110 wooden, gravel pack w/25 tan

Log See back Drill cuttings - Sample set no. -

Chief aquifer Sand & gravel from - to - Other aquifer -

Land surface elev. 405 ± 1/4 TH Topography -

Nonpumping level - above - below measuring point on - at - AM  
 (date) PM

Pumping level - above - below measuring point after pumping at - AM  
- gpm for - hours on - at - PM  
 (date)

Measuring point (MP) for above measurements -

Airline and measuring equipment -

Pump and power -

Use of water -

Water quality -

Analysis No. and date - Temp. 58°F

Data collected by W. H. B. B. B. Date 10-10-72

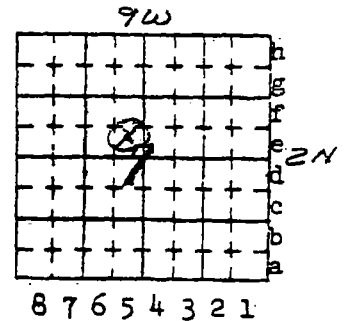
Source of information See back

Can well be used in pumping test? - Are nearby observation

wells available? - Are pumping records available? -

Are water level records available? -

Remarks: -



P13502.

Log

0-8' Yellow clay

8-16' Silty sand, yellow

16-45' Very fine sand brown

45-60' Very fine sand gray w/ gravel

60-110' Coarse sand & gravel

Copies

1 - R. J. Schickel (2003)

1 - W. H. Raker (2003)

Collinsville

November 27, 1972

PARTIAL ANALYSIS

Sample of water collected October 10, 1972 from Well No. 3 owned by the Circle Packing Company near East St. Louis, Illinois in St. Clair County. Location of well: 2500'S, 1600'E of the NW corner of Sec. 7.S<sub>2</sub>E3-T2N-R9W. Depth of well: 112 feet.

LABORATORY NO. 190251

	mg/l	me/l			mg/l	me/l
Iron(total) Fe	11.		Fluoride	F	0.3	
Manganese Mn	.24		Nitrate	NO <sub>3</sub>	17.9	.03
			Chloride	Cl <sup>-</sup>	24.	.68
			Sulfate	SO <sub>4</sub>	216.8	4.51
			Alkalinity	(as CaCO <sub>3</sub> )	332.	6.64
Turbidity	97		Hardness	(as CaCO <sub>3</sub> )	530.	10.60
Color	0					
Odor	0					
Temp.(reported)	58°F.		Total Dissolved Minerals		655.	

mg/l = milligrams per liter  
me/l = milliequivalents per liter  
mg/l x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

Laurel M. Henley  
Associate Chemist

LWH/sp

210-55

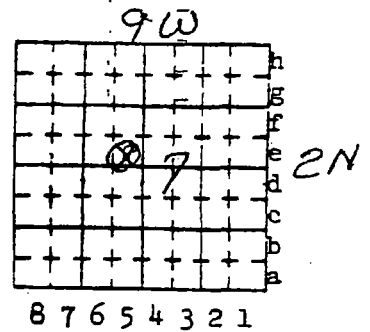
179851

Sp May 94

## WELL INVENTORY SCHEDULE

Well No. STC 2N 9W-7.5e4  
Owner's No. 4East St. Louis

Location main yard County St. Clair  
 Section 7 Twp. No. 2N Range 9W  
 Feet from Sec. cor. 2500'S, 1700'E of NW cor  
 Owner Circle Packing Co. Address 4th & Winstanley  
E. St. Louis, Ill.  
 Driller Luhr Bros., Inc. Address Columbia, Ill.  
 Date drilled 7-19-66 Method reverse rotary  
 Depth 115' Hole record 32" 0 - 115.5'

Casing record 16" steel 0 - 88.5'Screen record 16" SS, nominal Johnson screen, #150 slot 88.5-115'Log See back Drill cuttings \_\_\_\_\_ Sample set no. \_\_\_\_\_Chief aquifer S&G from \_\_\_\_\_ to \_\_\_\_\_ Other aquifer \_\_\_\_\_Land surface elev. 405' LSD TM Topography flatNonpumping level 47.0' above below measuring point on 7-21-66 at 9:15 AM  
(date)Pumping level 50.33' above below measuring point after pumping at  
400 gpm for 55min above on 7-21-66 at 10:10 AM  
(date)Measuring point (MP) for above measurements pump baseAirline and measuring equipment FM turbine 5 stage, 8", set at 70'Pump and power drop line, in-line meter

Use of water \_\_\_\_\_

Water quality \_\_\_\_\_

Analysis No. and date \_\_\_\_\_ Temp. \_\_\_\_\_

Data collected by Driller Date \_\_\_\_\_Source of information Driller

Can well be used in pumping test? \_\_\_\_\_ Are nearby observation

wells available? \_\_\_\_\_ Are pumping records available? \_\_\_\_\_

Are water level records available? \_\_\_\_\_

Remarks: Sample collected by driller 10-6-69 and delivered to W.H. Baker

8/15/69

STC 02N094-07 624

October 27, 1969

STC 02N094-07.6E  
(81)

PARTIAL CHEMICAL ANALYSIS

Sample of water collected October 6, 1969 from Well No. 4 owned by the Circle Packing Company in East St. Louis, Illinois in St. Clair County. Location of well: 2500'S and 1700'E of the NW corner of Section 7, T2N, R9W. Depth of well: 115 feet.

LABORATORY NO. 179851

		<u>ppm.</u>	<u>epm.</u>			<u>ppm.</u>	<u>epm.</u>
Iron(total)	Fe	28.		Chloride	Cl	62.	1.75
Manganese	Mn	.73		Sulfate	SO <sub>4</sub>	264.9	5.51
				Alkalinity	(as CaCO <sub>3</sub> )	260.	5.20
Turbidity		120		Hardness	(as CaCO <sub>3</sub> )	472.	9.44
Color		5					
Odor		0		Total Dissolved Minerals		725.	

ppm. = parts per million

epm. = equivalents per million

ppm. x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

Laurel M. Henley  
Associate Chemist

LMH/bb

D-1

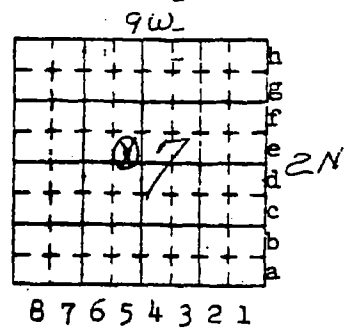
P1350

179850

Sp Mn S'04

WELL INVENTORY SCHEDULE  
East St. LouisWell No. STC 2N 9W-7.5e3  
Owner's No. 3

Location East fence County St. Clair  
 Section 7 Twp. No. 2N Range 9W  
 Feet from Sec. Cor. 2500'S, 1600'E of NW cor  
 Owner Circle Packing Co. Address 4th & Winstanley  
E. St. Louis, Ill.  
 Driller Luhr Bros., Inc Address Columbia, Ill.  
 Date drilled 4-2-62 Method reverse rotary  
 Depth 112' Hole record 37" 0 - 112'

Casing record 16" wood 0 - 70'Screen record 16" 70 - 110' , gravel packed w/ 25 tonLog See back Drill cuttings \_\_\_\_\_ Sample set no. \_\_\_\_\_Chief aquifer S & G from \_\_\_\_\_ to \_\_\_\_\_ Other aquifer \_\_\_\_\_Land surface elev. 405' LSD TM Topography flatNonpumping level 36.5' <sup>above</sup> below measuring point on 4-4-62 at 2:13 <sup>AM</sup> PM  
(date)Pumping level 42.27' <sup>above</sup> below measuring point after pumping at  
660 gpm for 32 min <sup>hours</sup> on 4-4-62 at 2:45 <sup>AM</sup> PM  
(date)Measuring point (MP) for above measurements pump baseAirline and measuring equipment drop line, in-line meterPump and power Peerless turbine, 5 stage, 10" set at 70'Use of water packing plant supply

Water quality \_\_\_\_\_

Analysis No. and date \_\_\_\_\_ Temp. \_\_\_\_\_

Data collected by Driller Date \_\_\_\_\_Source of information Driller

Can well be used in pumping test? \_\_\_\_\_ Are nearby observation

wells available? \_\_\_\_\_ Are pumping records available? \_\_\_\_\_

Are water level records available? \_\_\_\_\_

Remarks: Sample collected for partial analysis 10-6-69.  
Delivered by driller to W.H. Baker.

T 2 N  
R 9 W

ILLINOIS STATE WATER SURVEY

Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City East St. Louis County St. Clair

Name of owner East St. Louis Castine Co

Exact identification of well Main well

Exact location of well 350' N + 1000' E of SW Cor  
Sec 16 T 2 N R 9 W

Sample collected on (date) 3-31-43 at (time) 12:45

after 6 hours pumping at 120 gal. per min.

Tap used for sample\*: at well, storage tank, distribution  
system

Depth of well 116 feet. Diameter 8" inches,

Cased to 116 feet. Screen from 86 feet to 116 feet

Where possible report also:

Log of well \_\_\_\_\_

Date drilled Feb 43 Well driller Watson

Major repairs None

Type of pump American 4 stage

Hours or days in use per week 12 hrs 6 days

Non-pumping level mean line feet. Pumping level / feet

expressed as:\* Mean Sea level. Feet below top. Gage reading.

Sea level elevation of top of well not leveled

Temperature of water \_\_\_\_\_ Sample collected by Mark Suter

For office use: Analysis No. 9576.9

\*circle the correct designation.



March 14, 1974

PARTIAL ANALYSIS

Sample of water collected September 12, 1973 from a well owned by East St. Louis Casting in East St. Louis in St. Clair County. Location of well: SE 1/4 of the SW 1/4 of the SW 1/4 of Section 16, T. 2N., R. 9W. Depth of well: unknown.

LABORATORY NO. 193595

		mg/l	me/l			mg/l	me/l
Calcium	Ca	98.4	4.91	Nitrate	NO <sub>3</sub>	3.1	.05
Magnesium	Mg	31.7	2.61	Chloride	Cl	20	.56
Sodium	Na	15.8	.69	Sulfate	SO <sub>4</sub>	125.1	2.60
Potassium	K	4.8	.12	Alkalinity	(as CaCO <sub>3</sub> )	274	5.48
Lead	Pb	.05					
Lithium	Li	.02					
Zinc	Zn	.07					
Temp. (reported) 60°F.				Hardness	(as CaCO <sub>3</sub> )	376	7.52
				Total dissolved minerals		516	

mg/l = milligrams per liter  
me/l = milliequivalents per liter  
mg/l x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

Laurel M. Henley  
Associate Chemist

LME:ks

100-1000

✓  
NE  
STC 2N9W-17.3f  
April 18, 1944

SHORT PARTIAL ANALYSIS

Sample of water in February, 1944 from well owned  
by the East St. Louis Park District, Well No. 1 at  
Bath house. ~~Depth of well: 110'~~ Location of well:  
NE. 1/4, Section 17, T. 2 N., R. 9 W.

LABORATORY NO. 99357

Determinations Made

	Pts. per Million
Turbidity	10
Color	Tr.
Odor	oil
Iron Fe	
(unfiltered)	15.6
Chloride Cl	7.0
Alkalinity (as $\text{CaCO}_3$ )	
Phenolphthalein	0.
Methyl Orange	340.
Total Hardness (as $\text{CaCO}_3$ )	353.
Total Mineral Content	455.

Temperature 65° F.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TAL:AB

P. 13f

Name Change  
to Elements Pigment

190257 Sp

WELL INVENTORY SCHEDULE

Well No. STC 24-12-17-7h  
Owner's No. A

Location Hill 500' above road County ST. John  
Section 17.7h Twp. No. 2N Range 7W  
Feet from Sec. Cor. 500' S 1000' E 2nd NW-1/4

Owner Chris. Brown & Co. Inc. Address 300 Lynch Ave.

Driller Thompson Address \_\_\_\_\_

Date drilled 1947 Method \_\_\_\_\_

Depth 112' Hole record \_\_\_\_\_

Casing record originally 30"x40" concrete 0-42'

Screen record originally 30"x40" porous concrete 42-114'

Log See back Drill cuttings \_\_\_\_\_ Sample set no. \_\_\_\_\_

Chief aquifer Sand & gravel from \_\_\_\_\_ to \_\_\_\_\_ Other aquifer \_\_\_\_\_

Land surface elev. 415 ± 1/2' TM Topography \_\_\_\_\_

Nonpumping level \_\_\_\_\_ above  
below measuring point on \_\_\_\_\_ at \_\_\_\_\_ AM  
(date) PM

Pumping level \_\_\_\_\_ above  
below measuring point after pumping at \_\_\_\_\_ AM  
\_\_\_\_\_ gpm for \_\_\_\_\_ hours on \_\_\_\_\_ at \_\_\_\_\_ PM  
(date)

Measuring point (MP) for above measurements \_\_\_\_\_

Airline and measuring equipment \_\_\_\_\_

Pump and power \_\_\_\_\_

Use of water \_\_\_\_\_

Water quality \_\_\_\_\_

Analysis No. and date \_\_\_\_\_ Temp. 57.0° F

Data collected by W. H. Baker Jr. Date 10-15-72

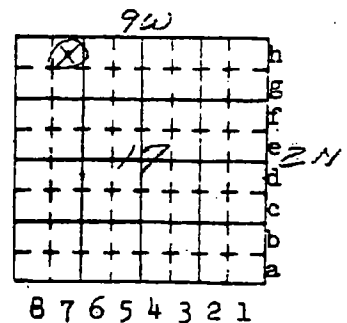
Source of information Mr. Park & Sons Lbrs

Can well be used in pumping test? \_\_\_\_\_ Are nearby observation

wells available? \_\_\_\_\_ Are pumping records available? \_\_\_\_\_

Are water level records available? \_\_\_\_\_

Remarks: \_\_\_\_\_



P135216

November 27, 1972

PARTIAL ANALYSIS

Sample of water collected October 18, 1972 from Well No. 8 near East St. Louis, Illinois in St. Clair County, owned by the Chas. Pfizer & Company, Inc. Location of well: 500'S, 1000'E of the NW corner of Sec. 17.7h-T2N-R9W. Depth of well: 114 feet.

LABORATORY NO. 190257

	mg/l	me/l			mg/l	me/l
Iron(total) Fe	15.		Phosphate	PO <sub>4</sub>		
Manganese Mn	.44		(filt)		0.1	
			(unfilt)		2.3	
			Fluoride	F	0.3	
			Nitrate	NO <sub>3</sub>	0.0	.00
			Chloride	Cl <sub>3</sub>	13.	.37
			Sulfate	SO <sub>4</sub>	178.5	3.71
			Alkalinity	(as CaCO <sub>3</sub> )	322.	6.44
Turbidity	102		Hardness	(as CaCO <sub>3</sub> )	486.	9.72
Color	0					
Odor	0					
Temp. (reported)	57.0°F.		Total Dissolved Minerals		637.	

mg/l = milligrams per liter  
me/l = milliequivalents per liter  
mg/l x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

Laurel M. Henley  
Associate Chemist

LH/sp

0135216

White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DI ERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE  
DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST  
JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER  
SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug ☐ Bored ☒ Hole Diam. 36 in. Depth 70 ft.  
Curb material ☐ Burled Slab: Yes ☐ No ☒  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft.  
c. Drilled ☐ Finished in Drift ☐ In Rock ☐  
Tubular ☐ Gravel Packed ☒  
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
gravel	70	10
concrete	10	0

### 2. Distance to Nearest:

Building ok Ft. Seepage Tile Field ok  
Cess Pool ok Sewer (non Cast iron) ok  
Privy ok Sewer (Cast iron) ok  
Septic Tank ok Barnyard ok  
Leaching Pit ok Manure Pile ok

3. Well furnishes water for human consumption? Yes ☒ No ☐

4. Date well completed Nov. 6, 1980

5. Permanent Pump Installed? Yes ☐ Date ☐ No ☒

Manufacturer ☐ Type ☐ Location ☐

Capacity ☐ gpm. Depth of Setting ☐ Ft.

6. Well Top Sealed? Yes ☒ No ☐ Type concrete cap

7. Pitless Adapter Installed? Yes ☐ No ☐

Manufacturer ☐ Model Number ☐

How attached to casing? ☐

8. Well Disinfected? Yes ☒ No ☐

9. Pump and Equipment Disinfected? Yes ☐ No ☐

10. Pressure Tank Size ☐ gal. Type ☐

Location ☐

11. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Farmers Energy Corp. Well No. ☐  
Address Box #176, National City, Ill.

Driller Clarence Kohnen License No. 102-30

11. Permit No. #96992 Date Oct. 28, 1980

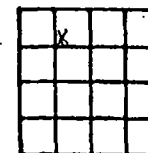
12. Water from sand & gravel 13. County St. Clair

Formation  
at depth 32 to 70 ft. Sec. 6.6a

14. Screen: Diam. ☐ in. Twp. 2 N

Length: ☐ ft. Slot ☐ Rge. 9 W

Elev. x



### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
36	concrete pipe	0+1	70

SHOW  
LOCATION IN  
SECTION PLAT  
84 W, 72 W, SE/4 SW/4 NE/4

16. Size Hole below casing: ☐ in.

17. Static level ☐ ft. below casing top which is ☐ ft.  
above ground level. Pumping level ☐ ft. when pumping at ☐  
gpm for ☐ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
top soil brown	2	2
dark clay	4	6
dark clay - sand	24	30
dark gray sand - fine	5	35
gray sand & gravel	31	66
gray clay - sand & gravel	2	68
redish gray sand & gravel	2	70

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Clarence Kohnen DATE 12-3-80  
mk

White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE  
DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST  
JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER  
SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam.  in. Depth  ft.  
Curb material  Buried Slab: Yes ☐ No ☐  
b. Driven ☐ Drive Pipe Diam.  in. Depth  ft.  
c. Drilled ☒ Finished in Drift ☐ In Rock ☒  
Tubular ☐ Gravel Packed ☒

### d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cuttings	0	92

### 2. Distance to Nearest:

Building  Ft. Seepage Tile Field   
Cess Pool  Sewer (non Cast iron)   
Privy  Sewer (Cast iron)   
Septic Tank  Barnyard   
Leaching Pit  Manure Pile

### 3. Well furnishes water for human consumption? Yes ☒ No ☐

### 4. Date well completed 12/8/87

### 5. Permanent Pump Installed? Yes ☐ Date No ☐ Manufacturer Type Location

Capacity  gpm. Depth of Setting  Ft.

### 6. Well Top Sealed? Yes ☒ No ☐ Type Williams

### 7. Pitless Adapter Installed? Yes ☐ No ☐ Manufacturer Model Number

How attached to casing?

### 8. Well Disinfected? Yes ☒ No ☐

### 9. Pump and Equipment Disinfected? Yes ☐ No ☐

### 10. Pressure Tank Size gal. Type Location

### 11. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

*Co # 26591*

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

Richard Shelton

10. Property owner Freedom Concrete Well No.   
Address #2 Coventry Court, Fairview Heights, ILL 62208  
Driller St. Charles Drilling Co. License No 102-002979 AH Miller

11. Permit No. 137432 / 137781 Date 12/7/87

12. Water from Gravel 13. County St. Clair

at depth 0 to 92 ft.

14. Screen: Diam. 6 in.

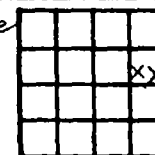
Length: 8 ft. Slot

Sec. 15

Twp. 2N

Rge. 9W

Elev.



### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6"	#19 Steel	0	92

SHOW  
LOCATION IN  
SECTION PLAT

*SE SE NE  
Industrial*

### 16. Size Hole below casing: 6" in.

17. Static level  ft. below casing top which is  ft.  
above ground level. Pumping level  ft. when pumping at 150+  
gpm for  hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	8	8
Sand	82	90
Gravel	10	100

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED AH Miller DATE 12-22-87

## Well Construction Report

I OR PRESS FIRMLY WITH BLACK INK PEN

Complete within 30 days of well completion and send to the appropriate health dept.

1. Type of Well: a. Driven Well: Casing diam. \_\_\_\_\_ in. Depth 283 ft.  
 b. Bored Well: Buried Slab ☐ Yes ☒ No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 c. Drilled Well: PVC casing Formation packer set at depth of \_\_\_\_\_ ft.  
 Hole Diameter 10 in. to 128 ft.; 5 7/8 in. to 282 ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)
bentonite			0	128	

- d. Drilled Well: Steel Casing - - Mechanically Driven ☐ Yes ☐ No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)

- e. Well finished within: ☐ Unconsolidated Materials ☒ Bedrock

- f. Kind of Gravel Sand Pack Grain Size/Supplier # From (ft.) To (ft.)

--	--	--	--	--

2. Well Use: ☐ Domestic ☐ Irrigation ☒ Commercial ☐ Livestock  
☐ Monitoring ☐ Other Night Club  
 3. Date Well Completed: 9.26.03 Well Disinfected ☒ Yes ☐ No  
 Driller's estimated well yield 60 gpm  
 4. Date Permanent Pump Installed: 9/30/03  
 5. Pump Capacity 10 gpm Set at (depth) 264 ft.  
 6. Pitless Adapter Model and Manufacturer: Baker 100 BP  
 7. Well Cap Type and Manufacturer: 6" vented Paulus PVC  
 8. Pressure Tank: Working Cycle 26.4 gals. Captive Air: ☒ Yes ☐ No  
 9. Pump System Disinfected: ☒ Yes ☐ No  
 10. Name of Pump Company: Goulds  
 11. Pump Installer: Dan License # 102 004090  
 12. \_\_\_\_\_ License # \_\_\_\_\_

Licensed Pump Contractor Signature

Illinois Department of Public Health  
 Division of Environmental Health  
 525 W. Jefferson Street  
 Springfield, IL 62761

DO Not write on these lines

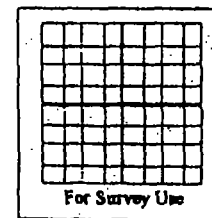
IMPORTANT NOTICE: This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS INFORMATION IS MANDATORY. This form has been approved by the Forms Management Center.

Date 11/28/03

## GEOLOGICAL &amp; WATER SURVEY WELL RECORD

13. Property Owner Robert S Romanik / Hollywood Club Well # \_\_\_\_\_  
 14. Driller Don Beckett License # 102 003910  
 15. Name of Drilling Co. Kohnen Concrete Products, Inc.  
 16. Permit No. 529-03-03-2003 Date Issued 9/19/03  
 17. Date Drilling Started 9/23/03  
 18. Well SITE address 5840 Bunkum Rd, Washington Park, IL.  
 19. Township Name Canteen Land ID # \_\_\_\_\_  
 20. Subdivision Name \_\_\_\_\_ Lot # \_\_\_\_\_  
 21. Location: a. County St Clair  
 b. Township 2 N Range 9 W Section 15  
 c. SE Quarter SE Quarter NW Quarter SE  
 d. coordinates: \_\_\_\_\_ Site Elevation \_\_\_\_\_ ft. (msl)  
 22. Casings, Liners\*, & Screen Information

Diam. (in.)	Material	Joint	Slot Size	From (ft.)	To (ft.)
6"	PVC	solvent	solid	0+1	128
4 1/2"			"	110	270
4 1/2"			slotted	270	282



1-6" shale trap @ 128'  
 2-4 1/2" shale traps @ 270'

- (\*) \_\_\_\_\_  
 (List reason for liner, type of upper and lower seals installed)

23. Water from sandstone white at a depth of 270 ft. to 282 ft.  
 a. static water level 26 ft. below casing which is 12 in. above ground  
 b. pumping level is \_\_\_\_\_ ft. pumping \_\_\_\_\_ gpm after pumping for \_\_\_\_\_ hours

Earth Materials Passed Through	From (ft.)	To (ft.)
clay brown	0	7
sand brown	7	29
sand gray, small gravel	29	42
sand gray	42	78
sand gray, coarse	78	84
sand gray small gravel	84	98
sand brown & gray	98	113
gravel large	113	118
shale lt gray limey	118	121
shale lt gray, sandy, hard	121	128

can't to page 2  
 (If DRY HOLE, fill out log & indicate how hole was sealed)

Clarence Kohnen  
 25. Licensed Water Well Contractor Signature

102 000304

License Number

(Over)

# Geological & Water Survey Well Record

Property Owner: Robert S Romanik..Hollywood Club

Permit #: 529 03 03[illegible]

R 355889



*St. Clair County, Illinois State Folder*  
*T2N R9W Sec 6*

WELL NO. *221 #1*  
*5-2-57*

Material Drilled	Screen and Riser	Test Pumping
Cinder Fill		
6 Concrete Slab	Screen	
10 Fine Yellow	Backfill	
15 Yellow		
20 Clay		
25 Fine Sand		
30 Med. Fine		
33 Sand		
Coarse Brown Sand & Gravel		
Fine Gray Sand		
Very Amaree Gray Sand		
Fine Fine Coarse Sand		
55		
58 Med. Fine Sand		
61 Fine Gray Sand with Gravel		
65 Coarse Sand		
70 Coarse Sand & Gravel		
75		
78 Cobble		
80 Coarse Sand		
85		
88		
90 Cobble		
95		
100 Heavy Cobble		
105		
110		
115		
120		
125		
130		
135		
140		
145		
150		

Name Master Packing  
 Location East St. Louis, Illinois (Parking Lot)  
 Date 3-22-57  
 Well Depth 100.0'  
 Casing Size 16"  
 Length - Screen 40' - 1/4" slot, Steel 3/16"  
 Length - Riser 61.5' - 1/4" steel, 1.5' above grade  
 Tons Gravel 15 - 16 Tons

Static Water Level 50'  
 Equipment Used: \_\_\_\_\_ Hours Run: \_\_\_\_\_  
International, Frank's Drill Rig

Driller: M. Frank

ILLINOIS STATE WATER SURVEY

Collection of Water Samples

T 2 N  
R 9 W

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City East St. Louis County St. Clair  
Name of owner Hunter Packing Co.  
Exact identification of well No. 2  
Exact location of well in Motor Scrap yard

Sample collected on (date) July 1 at (time) 2:15  
after 30 <sup>days</sup> hours pumping at 250 gal. per min.

Tap used for sample\*: at well storage tank, distribution system

Depth of well 110 feet. Diameter 12 inches,  
Cased to 25 feet. Screen from 110 feet to 85 feet

Where possible report also:

Log of well \_\_\_\_\_  
Date drilled 1938 Well driller Watson Co.  
Major repairs re-lined twice  
Type of pump Electric  
Hours or days in use per week 24 hrs daily  
Non-pumping level 40 feet. Pumping level 25 feet

expressed as:\* Mean Sea level. Feet below top. Gage reading.

Sea level elevation of top of well 112.54

Temperature of water 58 Sample collected by J. H. K. 21

For office use: Analysis No. 99042

\*circle the correct designation.

P1357

2

Location (in feet from section corner) \_\_\_\_\_ (see diagram on reverse side)

Contractor \_\_\_\_\_ Address \_\_\_\_\_

Depth ? - probably similar to Armour&Co. wells.

Log none available

Were drill cuttings saved no Where filed

Size hole 24". If reduced, where and how much \_\_\_\_\_

Casing record steel

Distance to water when not pumping 2 Distance to water is                     

feet after pumping at Av. daily use G. P. M. for 1500 gal. hours.

Reference point for above measurements ground level

Type of pump American turbine Distance to cylinder ?

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder 0'

Length stroke \_\_\_\_\_ Speed variable

Hours used per day variable Type of power steam

Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. unknown

Can following be measured: (1) Static water level must disassemble casinghead

(2) Pumping level same as #1 (3) Discharge no

(4) Influence on other wells none

Temperature of water 56-58 F. Was water sample collected no

Date \_\_\_\_\_ Effect of water on meters, hot water

No analyses on file, says "costs too much to remove mineral content for boiler use. Use city water for boilers, meat curing and brine."

Date of Analysis\_\_\_\_\_ Analysis No.\_\_\_\_\_

Company #1 well

Recorder R.N. Riess

2807-19390 12 ~~SECRET~~

Date 1-23-1934.

10-11-1957

Sample from Well No.6 Sample collected after pumping for 15 minutes at an estimated pumping rate of 500 gpm. Pump would break suction after pumping 15 to 20 minutes. Sample cloudy when collected but probably would City East St. Louis Ill County St. Clair have cleared if

Section 7 Twp. No. 2 N. Range 9 W. not break

Located in S.E 1/4 of S.W. 1/4 of N.W. 1/4 of Sec. 7 T. 2 N., R. 9 W.  
Location (in feet from section corner)

Owner Hunter Packing Co. Authority Charles Nishke

Contractor Luhr Bros. Inc Address Columbia, Illinois

Date drilled March 6, 1956 Elev. above sea level top of well 425 ± MSL (from Topog Map)

Depth 105.7 Ft.

0 to 5 ft. Cinder fill.	42 - 60 ft. Sand, coarse to fine.
5 - 21 ft. Yellow Clay.	60 - 62 ft. Fine gray sand.
21 - 27 ft. Silty sand.	74 - 76 ft. Clay lens.
27 - 32 ft. Fine brown sand.	76 - 93 ft. Large cobbles
32 - 42 ft. Medium sand.	93 - 105.7 ft. Heavy Cobbles.

Were drill cuttings saved Where filed

Size hole 32-inch If reduced, where and how much

Casing record 16-inch casing. 40 ft of screen. (pipe with 1/4 inch slots) Gravel-Packed.

Distance to water when not pumping 40.7 ft. Distance to water is 58.5 ft.

feet after pumping at 500 GPM G. P. M. for 15 minutes. hours.

Reference point for above measurements Hole in casing about ground level.

Type of pump American Turbine Distance to cylinder

Reported, 70 ft of column pipe, 42-inches of bowls and 20 ft of tail pipe  
Length of cylinder Length of suction pipe below cylinder

but there is no explanation why pump would break when drop light showed  
Length stroke Speed

58.5 ft. Probably record of pump assembly is wrong.  
Hours used per day Type of power

Rating of motor Rating of pump in G. P. M. 500

Can following be measured: (1) Static water level yes

(2) Pumping level yes (3) Discharge No.

(4) Influence on other wells

Temperature of water 58 F. Was water sample collected yes

Date March 10, 1958 Effect of water on meters, hot water coils, etc

Date of analysis  
Please send analysis to  
Mr. Urban Fellenstein, General Supt.  
Luhr Bros, Inc. Columbia, Ill. and to

Analysis No. 145961

Recorder

Date

Charles Nishke, Head Operating Engineer, Hunter Packing Co., East St. Louis

~~March 25, 1958~~

St. Clair  
County  
Illinois

March 25, 1958

PARTIAL CHEMICAL ANALYSIS

STC 2N9W-7.7E<sub>1</sub>

Sample of water collected March 10, 1958 from well No. 6 owned by the Hunter Packing Company of East St. Louis, Illinois in St. Clair County. Location of well: SE 1/4 of SW 1/4 of NW 1/4 of Section 7, T2N, R9W. Depth of well: 105.7 feet. Sample collected 15 minutes after pumping began while pumping at a rate of 500 gpm.

LABORATORY NO. 145961

		<u>ppm.</u>	<u>epm.</u>			<u>ppm.</u>	<u>epm.</u>
Iron (total)	Fe	5.8		Chloride	Cl	108.	3.05
Manganese	Mn	0.4		Alkalinity	(as CaCO <sub>3</sub> )	326.	6.52
Calcium	Ca	190.	9.50				
Magnesium	Mg	52.	4.30				
Turbidity		23		Hardness	(as CaCO <sub>3</sub> )	690.	13.30
Color		10					
Odor		0					
Temp. (reported)		58°F.		Total Dissolved Minerals		1014.	

ppm = parts per million  
epm = equivalents per million  
ppm x .0553 = grains per gallon

STATE WATER SURVEY DIVISION

Laurel M. Henley  
Associate Chemist

LMH:ceh

913557

20941-7.6e  
January 5, 1979

# MINERAL ANALYSIS

Sample of water collected November 9, 1978, from well #1 owned by the Hunter Packing Company near E. St. Louis, Illinois, in St. Clair County. Location of well: Section 7.69, T2N, R9W. Reported depth: 105 feet. (New well #1 is chronologically well #10, and is located 20' east of old well #1). *water temp. 57 1/2 °*

LABORATORY NO. 209536

		mg/l	me/l			mg/l	me/l
Iron(total)	Fe	16.		Phosphate(filt)	P	0.0	
Manganese	Mn	.82		(unfilt)	P	0.7	
Calcium	Ca	176.0	8.78	Silica	SiO <sub>2</sub>	30.3	
Magnesium	Mg	48.9	4.02	Fluoride	F	0.3	
Strontium	Sr	.56	.01	Boron	B	0.3	
Sodium	Na	121	5.26	Nitrate	NO <sub>3</sub>	0.1	.00
Potassium	K	7.4	.19	Nitrite	NO <sub>2</sub>	.05	.00
Ammonium	NH <sub>4</sub>	0.8	.04	Chloride	Cl	195	5.50
Barium	Ba	<0.1		Sulfate	SO <sub>4</sub>	242.5	5.04
Cadmium	Cd	.00		Alkalinity	(as CaCO <sub>3</sub> )	374	7.48
Chromium	Cr	.00					
Copper	Cu	.01					
Lead	Pb	<.05					
Lithium	Li	.03					
Nickel	Ni	<.05					
Zinc	Zn	.07					
Silver	Ag	.00					
Turbidity		122		Hardness	(as CaCO <sub>3</sub> )	640	12.80
Color		0					
Odor		0					
Temp.(reported)		57.5		Total Dissolved Minerals		1066	

mg/l = milligrams per liter  
me/l = milliequivalents per liter  
mg/l x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

James C. Whitney  
Head, Analytical Laboratory

20941-7.6e

Well Construction Report  
 TY OR PRESS FIRMLY WITH BLACK INK PEN  
 Complete within 30 days of well completion and send to the appropriate health dept

# 163-529-01-01

Date 11/23/01

R 2 6514.0  
 71266

1. Type of Well: a. Driven Well: Casing diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
 b. Bored Well: Buried Slab ( ) Yes ( ) No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 c. Drilled Well: PVC casing Formation packer set at depth of \_\_\_\_\_ ft.  
 Hole Diameter 12 in. to 90 ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)
pure bentonite	14	20%	0	22	

- d. Drilled Well: Steel Casing - - Mechanically Driven ( ) Yes ( ) No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)

- e. Well finished within: (X) Unconsolidated Materials ( ) Bedrock

f. Kind of Gravel Sand Pack	Grain Size/Supplier #	From (ft.)	To (ft.)
muskateen	#2	45	85

2. Well Use: ( ) Domestic (X) Irrigation ( ) Commercial ( ) Livestock  
 ( ) Monitoring ( ) Other  
 3. Date Well Completed: 6/15/01 Well Disinfected (X) Yes ( ) No  
 Driller's estimated well yield 300-500 gpm  
 4. Date Permanent Pump Installed: 6/19/01  
 5. Pump Capacity 300 gpm Set at (depth) 63 ft.  
 6. Pitless Adapter Model and Manufacturer:  
 7. Well Cap Type and Manufacturer: 8" well seal  
 8. Pressure Tank: Working Cycle \_\_\_\_\_ gals. Captive Air: ( ) Yes ( ) No  
 9. Pump System Disinfected: (X) Yes ( ) No  
 10. Name of Pump Company: Grundfos  
 11. Pump Installer: Randy Gebke License # 102-004090  
 12. Kohnen Concrete Products, Inc. License # 102 000304  
 Licensed Pump Contractor Signature

Illinois Department of Public Health  
 Division of Environmental Health  
 525 W. Jefferson Street  
 Springfield, IL 62761

COUNTY NO. 29836

DO Not write on these lines

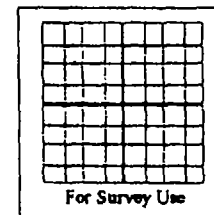
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# GEOLOGICAL & WATER SURVEY WELL RECORD

13. Property Owner JUK Sports Field/Munie Outdoor Service#  
 14. Driller Vern Kohnen License # 092-006758  
 15. Name of Drilling Co. Kohnen Concrete Products, Inc.  
 16. Permit 163-529-01-01 Date Issued 6-11-01  
 17. Date Drilling Started 6/15/01  
 18. Well SITE address 1201 N 25th St, E. ST Louis, IL  
 19. Township Name Canteen Land ID # 02-17-109-18  
 20. Subdivision Name Lot #  
 21. Location: a. County St Clair  
 b. Township 2 N Range 9 W Section 17 6  
 c. NW Quarter SE Quarter NW Quarter  
 d. coordinates: Site Elevation \_\_\_\_\_ ft. (msl)

## 22. Casings, Liners\*, & Screen Information

Diam. (in.)	Material	Joint	Slot Size	From (ft.)	To (ft.)
8	PVC Sch 40	solvent		0+1	65
8	PVC screen	"	#50	65	85



- (\*) \_\_\_\_\_  
 (List reason for liner, type of upper and lower seals installed)

23. Water from gray & brn sand & gravel at a depth of 13 ft. to 90 ft.  
 a. static water level 21 ft. below casing which is 12 in. above ground  
 b. pumping level is \_\_\_\_\_ ft. pumping 300-500 gpm after pumping for \_\_\_\_\_ hours

24. Earth Materials Passed Through	From (ft.)	To (ft.)
clay dark gray sticky	0	4
clay gray & brown sandy soft	6	10
silty clay lt brn very sandy	3	13
sand brown F-M some very fine clean	12	25
sand & gravel brown F-M sand w/ f gravel	3	28
gravel & sand brown ; F gravel to C sand	17	45
sand & gravel gray C-M sand & F gravel	13	58
gravel gray BB-F w/some C-M sand & cobble stone	30	88
sand brown M-F clean	2	90
Still in WB sand & gravel		

(If DRY HOLE, fill out log & indicate how hole was sealed)

- Clarence Kohnen 23 102 000304  
 25. Licensed Water Well Contractor Signature License Number



May 13, 1954

PARTIAL CHEMICAL ANALYSIS

Sample of water collected from a well at Jones Park, Illinois  
in St. Clair County. Location of well: S3 1/4, Section 16,  
T. 2 N, R. 9 W. Depth -- 7

LABORATORY NO. 134706

		<u>PPM.</u>	<u>EPM.</u>		<u>PPM.</u>	<u>EPM.</u>
Iron (total) Fe		6.8		Chloride Cl	7.	.20
Manganese Mn		0.0		Alkalinity (as CaCO <sub>3</sub> )	308.	6.16
Turbidity		23.		Hardness (as CaCO <sub>3</sub> )	360.	7.20
Color		0		Total Mineral Content	387.	
Odor		0				

ppm. = parts per million  
epm. = equivalents per million  
ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

R. H. King  
Assistant Chemist

RMK:ls

P135084

City On U.S. Route 40

County St Clair County

Section 2

Twp. No. 2 N.

Range P. 9 W.

Approx. 500 ft. S. ~~xxx500ft.~~ of U.S. Route 40 and 500 feet W. of  
Location (in feet from section corner) Cahokia Mounds State Park. Approx. 2000 ft E.  
and 500 ft. S. of the N.W. Corner of Sec. 2, T.2 N., R.9 W.

Owner Komm Theaters.

Authority Mr. M.I. Fridley, Maintenance Engr.

Contractor Harold Watson.

Address E. St. Louis, Illinois

Date drilled 1949

Elev. above sea level top of well 420<sup>+</sup> (from topog  
Map)

Depth 92' 3"

Log No log as this is a 3" driven well.

Were drill cuttings saved \_\_\_\_\_ Where filed \_\_\_\_\_

Size hole 3" If reduced, where and how much No.

Casing record 3" pipe with 6' of No. 60 gauze well point.

Distance to water when not pumping Not known. Distance to water is Not known

feet after pumping at \_\_\_\_\_ G. P. M. for \_\_\_\_\_ hours.

Reference point for above measurements No way to measure water level.

Type of pump Myers Ejecto

Distance to cylinder Jet set at approx 30'

Length of cylinder \_\_\_\_\_

Length of suction pipe below cylinder \_\_\_\_\_

Length stroke \_\_\_\_\_

Speed \_\_\_\_\_

Operates automatic and used mainly in evening during show hours. Used to  
Hours used per day \_\_\_\_\_ Type of power supply water for the

refreshment stand and for toilets.

Rating of motor \_\_\_\_\_

Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level No.

(2) Pumping level No.

(3) Discharge No

(4) Influence on other wells No other wells close.

Temperature of water 61 F. at hydrant Was water sample collected yes

Date Sept. 27, 1949

Effect of water on meters, hot water


coils, etc. See letter to Dr. Larson.

Date of Analysis \_\_\_\_\_

Analysis No. 113448

There was no tap at the pump for collecting  
sample. Sample was collected from  
hydrant approx. 45 feet from pump  
and tank

Recorder \_\_\_\_\_

2507-22617 is 

Date \_\_\_\_\_

F.G. Jones, Field Engineer, S.W.S.

9150

Consolidated Carboniferous, Permian & Triassic

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906, 377255

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906, 377255

TOWN TOWNSHIP Map No. 4  
 COMPANY No. R. 9 W  
 FARM *Monkey Mound* No. 1 T  
 AUTHORITY *Sample Study by Hadden* 271  
 ELEVATION *417*  
 COLLECTOR DATE DRILLED  
 CONFIDENTIAL  
*NW cor NW 28.*

No.	N. E. of E. <i>St. Louis</i> STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	<i>Quaternary</i>				
	<i>fine gray sand</i>	<i>20</i>		<i>60</i>	
	<i>Coarsed river sand</i>	<i>10</i>		<i>70</i>	
	<i>Gravel, one union shell, worn</i>	<i>80</i>		<i>150</i>	<i>267</i>
	<i>Penn.</i>			<i>to bedrock</i>	
	<i>Gray shale, faintly calcareous</i>	<i>55</i>		<i>205</i>	
	<i>Total depth</i>			<i>2100</i>	
	<i>STC 2NW2, 4h</i>				

County *St. Clair*  
 T.-DRILL RECORD

Index No. *0402*

(67727-5M-11-31) Illinois Geological Survey, Urbana.

August 7, 1944

SHORT PARTIAL ANALYSIS

STC 2N9W-18.7c

Sample of water collected June 1, 1944 from well  
owned by the Roxy Theatre, East St. Louis, Illinois.  
Depth of well: 91'. Location of well: center SW 1/4,  
Section 18, T. 2 N., R. 9 W.

LABORATORY NO. 100,686

Determinations Made

		Pts. per Million
Turbidity		100
Color		0
Odor		Tr.
Iron	Fe	
(unfiltered)		11.8
Chloride	Cl	18.0
Alkalinity	(as CaCO <sub>3</sub> )	
Phenolphthalein		0.
Methyl Orange		298.
Total Hardness (as CaCO <sub>3</sub> )		457.
Total Mineral Content		553.

Temperature 60° F.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TSL:AB

P135224

City \_\_\_\_\_ County St Clair  
Section 16.8e Twp. No. 2 N Range 9 W

Location (in feet from section corner) \_\_\_\_\_

Owner Waterloo Ice Cream Co. Authority 37th & Bunker Rd, East St Louis, IL

Contractor H. C. Watson (Evan - Neil) Address \_\_\_\_\_

Date drilled Sept 1939 Elev. above sea level top of well 415

Depth 58 1/2

Log Pliocene 058 1/2 over  
Water 30 - 58 1/2

Were drill cuttings saved \_\_\_\_\_ Where filed \_\_\_\_\_

Size hole \_\_\_\_\_ If reduced, where and how much \_\_\_\_\_

Casing record \_\_\_\_\_

Distance to water when not pumping 13' 9" Distance to water is \_\_\_\_\_

feet after pumping at 1200 G. P. M. for \_\_\_\_\_ hours.

Reference point for above measurements \_\_\_\_\_

Type of pump \_\_\_\_\_ Distance to cylinder \_\_\_\_\_

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Length stroke \_\_\_\_\_ Speed \_\_\_\_\_

Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_

Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level \_\_\_\_\_

(2) Pumping level \_\_\_\_\_ (3) Discharge \_\_\_\_\_

(4) Influence on other wells \_\_\_\_\_

Temperature of water 77.0 Was water sample collected \_\_\_\_\_

Date 9-29-39 Effect of water on meters, hot water

coils, etc. \_\_\_\_\_

Date of Analysis \_\_\_\_\_ Analysis No. \_\_\_\_\_

Recorder J. P. Davis

Date 9-29-58

Now called C.K. Williams Co.

C.K. Williams Co.

T 2N  
R 10W

ILLINOIS STATE WATER SURVEY

Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City EAST ST. LOUIS County ST. CLAIR

Name of owner GEO. S. MEPHAM CORP.

Exact identification of well #2

Exact location of well 400' N. of Lynch Ave - 100' west of  
Terminal RR. - at 21st & Lynch Ave

Sample collected on (date) 4-10-43 at (time) 2 pm.

after 1 hours pumping at 1000 gal. per min.

Tap used for sample\*: at well, storage tank, distribution  
system

Depth of well 100' feet. Diameter 28" inches,

Cased to 100 feet. Screen from        feet to        feet

Where possible report also:

Log of well See attached Sketch - turned over to T.E.

Date drilled 1928 Well driller Thorp Co of Alton Ill.

Major repairs None

Type of pump Layne Bowler 2 stage centrifugal

Hours or days in use per week Approx 100 hrs/week

Non-pumping level 25 feet. Pumping level 35 1/2 feet

expressed as: \* Mean Sea level. Feet below top Gage reading.

Sea level elevation of top of well Alton 440' - Not sure of this figure

Temperature of water 62° Sample collected by Hendricks

For office use: Analysis No. 96506

\*circle the correct designation.

Recent analysis shows crenothrix in wells.  
This came out by stringy slime in distribution lines

June 24, 1943

SHORT PARTIAL ANALYSIS

STC 2N9W-17.79

Sample of water collected April 10, 1943 from well owned by the Geo. S. Mepham Corp, East St. Louis. Location of well: 400' E. of Lynch Ave., 100' W. of Terminal R. R. at 21st & Lynch Ave. Depth of well: 100'. Rate of pumping: 1000 gpm. after 1 hour. 2001 Lynch Ave. NY 1/4 Sec. 17, T. 2 N., R. 9 W.

LABORATORY NO. 96506

Determinations Made

	Parts Per Million
Turbidity	100
Color	0
Odor	0
Iron Fe	
(unfiltered)	14.4
Chloride Cl	15.0
Alkalinity (as CaCO <sub>3</sub> )	
Phenolphthalein	0.0
Methyl Orange	322.0
Total Hardness (as CaCO <sub>3</sub> )	448.8
Total Mineral Content	504.
Temperature 62° F.	

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL:AB

E. St. Louis  
St. Clair Co

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 386790

TOWN **St. Louis** TOWNSHIP

Map No. **4**

COMPANY **Thorpe Concrete Well Co.**

R. **9W**

FARM **G.S. Nephaw Paint Co. No. 1**

AUTHORITY **Written log**

ELEVATION **419 topo.**

COLLECTOR **Ireland** DATE DRILLED

**June 1929**

CONFIDENTIAL

**Lynch & 20th St. E. St. Louis**

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Soil and clay	22		22	
	Sand, very fine	13		35	
	Sand, very fine	8		43	
	Sand, fine	10		53	
	Sand, fine, loamy	7		60	
	Slate, fine	5		65	
	Sand, fine, gritty	8		73	
	Sand, coarse	11		84	
	Sand, med. coarse	9		93	
	Sand, building	5		98	
	Gravel	13		111	
	Gravel, coarse	6	4	117	4
	26" I.D. 36" O.D.			-301.7	
	Baits drilled 2 wells 9-20	120'			
	11-22	108'			
	STC 2N 4W-17.7f			Bedrock > 120'	
	(Now called C. K. Millman Co.)				

County **ST. CLAIR**

Index No. **0409**

T.-DRILL RECORD

47327-10M-4-35

Illinois Geological Survey, Urbana.

6

11-13-17



E. St. Louis Ind.  
St. Clair Co.

Mephan Paint ( C. K. Williams)

Drilled by Thorpe (Morgan)

Aug. 1947

Formations passed through	Thickness	Depth of bottom
Fill	3	3
Clay	4	7
Sandy soil	18	25
Silt	3	28
Ext. fine sand	14	42
Fine sand	16	58
Med. sand	9	67
Building sand	7	74
Med. fine sand	4	78
Coarse sand and boulder	5	83
Very coarse sand	14	97
Coarse sand	7	104
Very coarse sand	8'6"	112'6"

Static level from surf. 24'

Bedrock 7 120

25

Elevation 420

STC 2N9W 17.7g 3

11253

5. St. Louis *golden*

358

C. K. Williams Co., E. St. Louis  
North side of new boiler house

Test Hole No. 1

Drilled by Layne-Western (F. Sallu)

Apr. 1952

Formations passed through	Thickness	Depth of bottom
Cinder, rock and dirt fill	3	3
Blue and brown clay	11	14
Fine silty sand	29	43
Fine to med. sand, dirty	17	60
Fine gray sand	10	70
Fine silty sand with much rotten wood	3	73
Med. coarse sand, dirty	17	90
Med. to coarse sand, clean	10	100
Coarse sand, gravel, and boulders with clay showing	16	116

on rock at 116'

at Bedrock ?

25

STC 2N9W 17.7g 1

~~Location~~ 420

Check hole.

F 120

*E. St. Louis folder*

352

C. K. Williams Co., E. St. Louis

Test Well No. 2

Drilled by Lane-Western (F. Sallu)

Apr. 1952

Formations passed through	Thickness	Depth of bottom
Fill	3	3
Blue clay (sticky)	4	7
Brown clay	7	14
Dirty brown sand	21	35
Med. to fine gray sand	35	70
" " coarse " "	5	75
Coarse, clean sand and some gravel	20	95
Med. sand	5	100
Coarse sand, gravel and boulders	17	117

Bedrock > 120

*STC 2N9W 17.7g2*

*Elevation 420*

23

*413 632*

Well No. 2

The C. H. Williams & Co. was formerly  
the Napham Co.

T 2 N  
R 2 W

City E. St. Louis Ill County St. Louis

Section \_\_\_\_\_ Twp. No. \_\_\_\_\_ Range \_\_\_\_\_

Location (in feet from section corner) \_\_\_\_\_

Owner C. H. Williams & Co. Authority M. H. C. Lodge - Engr. Bond

2001 Lynch Ave.

Contractor Thorge Concr. Well Co Address Elton Ill

Date drilled \_\_\_\_\_ Elev. above sea level top of well 4152

Depth 114

Log No log available

Were drill cuttings saved \_\_\_\_\_ Where filed \_\_\_\_\_

Size hole \_\_\_\_\_ If reduced, where and how much \_\_\_\_\_

Casing record 30" Id x 40' OC concrete casing of which 75' is pipe  
concrete

Distance to water when not pumping \_\_\_\_\_ Distance to water is \_\_\_\_\_

feet after pumping at \_\_\_\_\_ G. P. M. for \_\_\_\_\_ hours

Reference point for above measurements \_\_\_\_\_

Type of pump Layna Boulder Distance to cylinder 59'

Length of cylinder 4'4" (3.5 ft) Length of suction pipe below cylinder 10 ft

Length stroke \_\_\_\_\_ Speed 1155 RPM

Hours used per day 3-6 Type of power General Elec motor

Rating of motor 60 HP Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level Yes

(2) Pumping level No (3) Discharge No

(4) Influence on other wells \_\_\_\_\_

Temperature of water 55° Was water sample collected Yes

Date Aug 24, 1945 Effect of water on meters, hot water

coils, etc. \_\_\_\_\_

Date of Analysis \_\_\_\_\_ Analysis No. 115660

Recorder \_\_\_\_\_

Date \_\_\_\_\_

Well No. 5

T 2N R 9W Sect 504

City E. St. Louis Illinois County St. Clair County

Section \_\_\_\_\_ Twp. No. \_\_\_\_\_ Range \_\_\_\_\_

Location (in feet from section corner) \_\_\_\_\_

Owner C. K. Williams Co. Authority Mr. L. C. Lodge - Engr. Dept  
2201 Lyndon Ave Mr. A. T. Pickens Chemist

Contractor Thorp Canner Well Co Address Alton Ill.

Date drilled \_\_\_\_\_ Elev. above sea level top of well 415 T

Depth 114' 6" to bottom of concrete plug (concr. plug 2' thick)

Log See Reverse side of this report.

Were drill cuttings saved ? Where filed ?

Size hole \_\_\_\_\_ If reduced, where and how much \_\_\_\_\_

Casing record 30" Id. X 40" O.D. concrete casing, 72 ft of porous concr. pipe and  
the remainder is solid concr. pipe

Distance to water when not pumping about 20' Distance to water is 36'

feet after pumping at 1000 G. P. M. for \_\_\_\_\_ hours.

Reference point for above measurements layner

Type of pump layner turbine Distance to cylinder 49' (11 3/4" col pipe)

Length of cylinder 4' 4" (35 lbs) Length of suction pipe below cylinder 30' of 5"

Length stroke \_\_\_\_\_ Speed 1170 R.P.M. - F.L.

Hours used per day 17 to 22 Type of power Westinghouse electric

Rating of motor 60 hp. Rating of pump in G. P. M. 1000

Can following be measured: (1) Static water level yes

(2) Pumping level yes (3) Discharge no

(4) Influence on other wells \_\_\_\_\_

Temperature of water not recorded Was water sample collected yes

Date August 24, 1942 Effect of water on meters, hot water

coils, etc. \_\_\_\_\_

Date of Analysis \_\_\_\_\_ Analysis No. 115658

Test Results: to Mr. L. C. Lodge  
Engr. Dept - St. Clair Co. Ill.  
2201 Lyndon Ave  
2807-22617 12

Recorder \_\_\_\_\_

Date \_\_\_\_\_

The spec. call for a well that will produce water...

FILED

Log by Driller.

Materials	Thickness	Depth
Fill	4	0 to 4'
Gumbo	2 1/2	4 to 6 1/2'
Fine sand	3	6 1/2 to 9 1/2'
Dirty fine sand with gravel	11	9 1/2 to 20 1/2'
Fine water sand with bits of wood	2 1/2	20 1/2 to 23'
Good coarse sand	4	23 to 27'
Building sand	6	27 to 33'
Fine Red sand	10	33 to 43'
Good coarse sand	10	43 to 53'
Coarse sand with fine gravel with boulders	13	53 to 66'

Bottom of 2' concrete plug is at a depth of 114' 6"  
 This is one of the older wells. Could not find record as to  
 when it was constructed. It was pulled for the first time  
 June 1948.

The water is treated - using a Wallace Norman chlorinator  
 and also using liquid, Sulphur Dioxide. The chlorine and  
 Sulphur Dioxide are injected in to the suction pipe on the pump.  
 The Sulphur Dioxide tanks were empty and the  
 water was not being treated when the sample was  
 collected although there may have been a small  
 amount still in the pipe.  
 Sample no. collected at the pump. Pump had been  
 running at least 1 hour and possibly 2 hours when  
 sample was collected.  
 This well supplies most of the water for the plant.

2. 2. 2



White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug \_\_\_\_ Bored \_\_\_\_ Hole Diam. \_\_\_\_ in. Depth \_\_\_\_ ft.  
Curb material \_\_\_\_ Buried Slab: Yes \_\_\_\_ No \_\_\_\_  
b. Driven \_\_\_\_ Drive Pipe Diam. \_\_\_\_ in. Depth \_\_\_\_ ft.  
c. Drilled ☒ Finished in Drift ☒ In Rock \_\_\_\_  
Tubular \_\_\_\_ Gravel Packed ☒  
d. Grout:

(KIND)	FROM (FT.)	TO (FT.)
Groutings	0	55

### 2. Distance to Nearest:

Building 7' Ft. Seepage Tile Field 75' and away  
Cess Pool \_\_\_\_ Sewer (non Cast iron) \_\_\_\_  
Privy \_\_\_\_ Sewer (Cast iron) \_\_\_\_  
Septic Tank 75' Barnyard \_\_\_\_  
Leaching Pit \_\_\_\_ Manure Pile \_\_\_\_

### 3. Is water from this well to be used for human consumption?

Yes ☒ No \_\_\_\_

### 4. Date well completed Well Only 6-20-74

### 5. Permanent Pump Installed? Yes \_\_\_\_ No ☒

Manufacturer \_\_\_\_ Type \_\_\_\_  
Capacity \_\_\_\_ gpm. Depth of setting \_\_\_\_ ft.

### 6. Well Top Sealed? Yes \_\_\_\_ No \_\_\_\_

### 7. Pitless Adaptor Installed? Yes \_\_\_\_ No \_\_\_\_

### 8. Well Disinfected? Yes ☒ No \_\_\_\_

### 9. Water Sample Submitted? Yes \_\_\_\_ No ☒

REMARKS:

IDPH 4.065  
10/68

92571

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner [redacted] Well No. [redacted]  
Address [redacted]  
Driller B. Charles Drilling License No. 102-50  
11. Permit No. 30421 Date 6-11-74  
12. Water from Gravel Formation Madison 13. County Madison  
at depth 87 to 92 ft. Sec. [redacted]  
14. Screen: Diam. 6 in. Twp. [redacted]  
Length: 8 ft. Slotted Casing Rge. [redacted]  
Elev. [redacted]

### 15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
6"	PCC - Sch 40	0	92

SHOW  
LOCATION IN  
SECTION PLAT

937'S

1000'E

1000' NW

### 16. Size Hole below casing: 6 in.

### 17. Static level \_\_\_\_ ft. below casing top which is 1 ft. above ground level. Pumping level \_\_\_\_ ft. when pumping at 50 gpm for \_\_\_\_ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	20	20
Sand	10	30
Clay	25	55
Gravel	37	92

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul F. Stoy DATE 12/12/74

EX 6 -  
H. REDACTION



## ILLINOIS GEOLOGICAL SURVEY, URBANA

Strata	Thickness	Top	Bottom
Soil, river deposit	19	0	19
Yellow sand, clay showing	6	19	25
Fine gray sand	5	25	30
Coarse gray sand, some gravel	10	30	40
Fine sand to gravel, dirty	5	40	45
Same, cleaner	5	45	50
Fine to medium sand, mud showing	10	50	60
Same, some gravel, muddy	10	60	70
Same	5	70	75
Same, cleaner	5	75	80
Sand fine to coarse, mud showing	10	80	90
Medium to coarse sand, some gravel			
clean	10	90	100
Sand gravel and boulders	6	100	106
Limestone, sandstone and sandy shale	5	106	111

Mud Viscosity (in seconds)	Depth	Mud loss (in inches in 4' x 4' pit)
33	20-30'	2 1/2"
33	30-40'	3"
35	40-50'	3"
35	50-60'	3"
35	60-70'	1"
37	70-80'	3"
37	80-90'	2 1/2"
37	90-100'	5"
	100-106'	3"

SS#24161

COMPANY  
FARM  
DATE DRILLED  
AUTHORITY  
ELEVATION  
LOCATION  
COUNTY

Chas. W. Hynes  
Buehrer, John C.

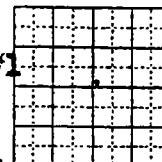
NO. ICS  
COUNTY NO. T.H. #1

1954

R.A. Bergstrom

413' (T.M.)

250' S line, 125' W line of NE  
MADISON



28-25-76

97572

3.0 2.0 - 2.5 - 6.0  
January 4, 1979

# MINERAL ANALYSIS

Sample of water collected November 7, 1978, from a well owned by ~~XXXXXXXXXX~~  
~~XXXXXXXXXX~~. Location of well:  
Section ~~XXXXXXXXXX~~ Depth of well: 16 feet. ~~water temp. 62°~~

LABORATORY NO. 209538

	mg/l	me/l		mg/l	me/l
Iron(total) Fe	0.3		Phosphate(filt) P	0.0	
Manganese Mn	.32		(unfilt) P	0.0	
Calcium Ca	104.8	5.23	Silica SiO <sub>2</sub>	25.1	
Magnesium Mg	35.3	2.90	Fluoride F	0.8	
Strontium Sr	.22	.01	Boron B	0.4	
Sodium Na	26.5	1.15	Nitrate NO <sub>3</sub>	8.6	.14
Potassium K	11.5	.29	Nitrite NO <sub>2</sub>	.01	.00
Ammonium NH <sub>4</sub>	0.8	.04	Chloride Cl	94	2.65
Barium Ba	<0.1		Sulfate SO <sub>4</sub>	123.0	2.56
Cadmium Cd	.00		Alkalinity (as CaCO <sub>3</sub> )	218	4.36
Chromium Cr	.00				
Copper Cu	.02				
Lead Pb	<.05				
Lithium Li	.02				
Nickel Ni	<.05				
Zinc Zn	.03				
Silver Ag	.00				
Turbidity	5		Hardness (as CaCO <sub>3</sub> )	407	8.13
Color	0				
Odor	0				
Temp.(reported)	62°		Total Dissolved Minerals	585	

mg/l = milligrams per liter  
me/l = milliequivalents per liter  
mg/l x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

James C. Whitney  
Head, Analytical Laboratory  
217/333-0802

EX 6  
4 REDACTIONS

White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO WELLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE  
DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST  
JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER  
SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug ☐ Bored ☒ Hole Diam. 3.0 In. Depth 28 ft.  
Curb material ☐ Buried Slab: Yes ☐ No ☐  
b. Driven ☐ Drive Pipe Diam. ☐ In. Depth ☐ ft.  
c. Drilled ☐ Finished in Drift ☐ In Rock ☐  
Tubular ☐ Gravel Packed ☐  
d. Grout:

(KIND)	FROM (FT.)	TO (FT.)

### 2. Distance to Nearest:

Building 20 Ft. Seepage Tile Field no  
Cess Pool ☐ Sewer (non Cast iron) ☐  
Privy ☐ Sewer (Cast iron) ☐  
Septic Tank 65 Barnyard ☐  
Leaching Pit ☐ Manure Pile ☐

### 3. Is water from this well to be used for human consumption?

Yes ☐ No ☒

### 4. Date well completed

5. Permanent Pump Installed? Yes ☐ No ☒  
Manufacturer ☐ Type ☐  
Capacity ☐ gpm. Depth of setting ☐ ft.

6. Well Top Sealed? Yes ☐ No ☒

7. Pitless Adaptor Installed? Yes ☐ No ☒

8. Well Disinfected? Yes ☐ No ☒

9. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

92974

DDH 4.065  
10-72  
KHB-1

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner [redacted] Well No.  

Address [redacted]

Driller Gust Bellerneyer License No. 92-472

11. Permit No. 28466 Date  

12. Water from Samuel 13. County Madison

at depth   to   ft. Sec.  

14. Screen: Diam.   in. Twp.  

Length:   ft. Slot   Rge.  

Elev.  

### 15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>3</u>	<u>concrete</u>	<u>28</u>	<u> </u>

SHOW  
LOCATION IN  
SECTION PLAT  
SE SESE

16. Size Hole below casing:   in.

17. Static level   ft. below casing top which is   ft.  
above ground level. Pumping level   ft. when pumping at    
gpm for   hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>clay</u>	<u>8</u>	<u>8</u>
<u>Samuel</u>	<u>20</u>	<u>28</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Ch. E. Hall DATE 4/18/74

Samuel 11,000 4000

EX. 6  
#REDUCTIONS

# WELL CONSTRUCTION REPORT

**TYPE OR PRESS FIRMLY WITH BLACK INK PEN**

COMPLETE FORM WITHIN 30 DAYS OF WELL COMPLETION  
AND SEND TO THE APPROPRIATE HEALTH DEPARTMENT

Date 8-11-05

## GEOLOGICAL & WATER SURVEY WELL RECORD

1. Type of Well: a. Driven Well: Casing Diam.        in. depth 68 ft.

b. Bored Well: Buried Slab [ ]yes [X]no  
Hole Diam.        in. to        ft.        in. to        ft.        in. to        ft.

c. Drilled Well: PVC casing Formation Packer set at a depth of        ft.  
Hole Diam. 12 in. to 65 ft.        in. to        ft.        in. to        ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)
Bentonite			0	33	

GPS coordinates are required beginning 01/01/06

d. Drilled Well: Steel Casing Mechanically Driven [ ]yes [ ]no not required if GPS used  
Hole Diam.        in. to        ft.        in. to        ft.        in. to        ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)

e. Well finished within [X] Unconsolidated Materials [ ] Bedrock

f. Kind of Gravel/Sand Pack	Grain Size/Supplier #	From (ft.)	To (ft.)
Muscatine		33	65

2. Well Use: [ ] Domestic [ ] Irrigation [ ] Commercial [ ] Livestock  
[ ] Monitoring [X] Other       

3. Date Well Completed: 7-25-05 Well Disinfected [X] Yes [ ] No  
Driller's estimated well yield 60+ gpm

4. Date Permanent Pump Installed 8-9-05

5. Pump Capacity 75 gpm Set at (depth) 46 ft.

6. Pitless Adapter Model & Manufacturer:       

Attachment to Casing: [ ] Threaded [ ] Welded [ ] Compression

7. Well Cap Type & Manufacturer: Simmons Well Seal

8. Pressure Tank: Working Cycle 26.4 gals. Captive Air: [X] Yes [ ] No

9. Pump System Disinfected: [X] Yes [ ] No

10. Name of Pump Company Grundfos

11. Pump Installer: Arnie Steinkamp License # 101-005-197

12.        License #       

Licensed Pump Contractor Signature

Illinois Department of Public Health  
Division of Environmental Health - 525 W. Jefferson  
Springfield, IL 62761 2376470

DO NOT write on these lines

IMPORTANT NOTICE: This State Agency is requesting disclosure of information that is necessary to  
accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS  
INFORMATION IS MANDATORY. This form has been approved by the Forms Management Center.

13. Property Owner Midcontinent Coal & Oil #         
14. Driller Don Beckett License Number 102-003910

15. Name of Drilling Company Kohnen Concrete Products, Inc

16. Permit Number 119-031-05 Date Issued       

17. Date Drilling Started 7-25-05

18. Well SITE Address Old Nickel Plate Rd

19. Township Name Nameoki Land ID #       

20. Subdivision Name        Lot #       

21. Location: a. County Madison

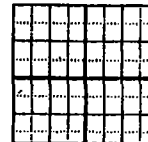
b. Township 3N Range 9W Section 30

c. GPS:        N        S

d. SW Quarter of the SW Quarter of the NE Quarter

22. Casings, Liners \*, & Screen Information

Diam. (in.)	Material, Joint Type, Slot Size	From (ft.)	To (ft.)
8"	PVC Solvent Solid	0+3	55
8"	PVC Solvent Screen	55	65



survey use only

\*(list reason for liner, type of upper and lower seals installed)

23. Water from Sand & Gravel at a depth of 25 ft. to 55 ft.

a. static water level 15 ft. below casing which is 36 in. above ground

b. pumping level is        ft. pumping        gpm for        hours

24. Earth Materials Passed Through

	From (ft.)	To (ft.)
Coal-Fill	0	8
Clay Yellow Silty	8	15
Sand Brown Fine	15	19
Sand & Gray Clay	19	25
Sand Brown	25	33
Sand Gray, Course	33	50
Sand Course Gray Gravel BB Size	50	65

(Continue on 2<sup>nd</sup> sheet, if necessary)

(If DRY HOLE, fill out log & indicate how hole was sealed)

Don Beckett  
25. Licensed Water Well Contractor Signature

102-003910  
License Number

Well Construction Report  
 Complete within 30 d. of well completion and send to the appropriate health dept.

Date 01/15/02

TY: DR PRESS FIRMLY WITH BLACK INK PEN

1. Type of Well: a. Driven Well: Casing diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
 b. Bored Well: Buried Slab [ ] Yes [ ] No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 c. Drilled Well: PVC casing Formation packer set at depth of \_\_\_\_\_ ft.  
 Hole Diameter 10 in. to 32 ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)
hole plug	10	70%	0	18	18

- d. Drilled Well: Steel Casing - - Mechanically Driven [ ] Yes [ ] No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)

- e. Well finished within: [X] Unconsolidated Materials [ ] Bedrock

f. Kind of Gravel Sand Pack	Grain Size/Supplier #	From (ft.)	To (ft.)
muscatine	0	18	32

2. Well Use: [X] Domestic [ ] Irrigation [ ] Commercial [ ] Livestock  
 [ ] Monitoring [ ] Other  
 3. Date Well Completed: 12/20/01 Well Disinfected [X] Yes [ ] No  
 Driller's estimated well yield 40-50 gpm  
 4. Date Permanent Pump Installed: 1/8/02  
 5. Pump Capacity 10 gpm Set at (depth) 25 ft.  
 6. Pitless Adapter Model and Manufacturer: 100 BP Baker  
 7. Well Cap Type and Manufacturer: 6" vented PVC  
 8. Pressure Tank Working Cycle 10.3 gals. Captive Air: [X] Yes [ ] No  
 9. Pump System Disinfected: [X] Yes [ ] No  
 10. Name of Pump Company: Coulda

11. Pump Installer: Jon Beckett License # 101 004 794  
 12. Kohnen Concrete Products, Inc. License # 102 000304  
 Licensed Pump Contractor Signature

Illinois Department of Public Health  
 Division of Environmental Health  
 525 W. Jefferson Street  
 Springfield, IL 62761

CO# 27989

DO Not write on these lines

IMPORTANT NOTICE: This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS INFORMATION IS MANDATORY. This form has been approved by the Forms Management Center

# GEOLOGICAL & WATER SURVEY WELL RECORD

13. Property Owner: Metro Contract Services Well # \_\_\_\_\_  
 14. Driller: Randy Gebke License # 102 003936  
 15. Name of Drilling Co.: Kohnen Concrete Products, Inc.  
 16. Permit No. 119 024 01 Date Issued 12/10/01  
 17. Date Drilling Started 12/20/01  
 18. Well SITE address 2901 Old Nickle Plated Rd  
 19. Township Name Nauvoo Land ID # \_\_\_\_\_  
 20. Subdivision Name \_\_\_\_\_ Lot # \_\_\_\_\_  
 21. Location: a. County Madison  
 b. Township 3 N Range 9 W Section 30  
 c. SE Quarter SW Quarter NE Quarter  
 d. coordinates: \_\_\_\_\_ Site Elevation \_\_\_\_\_ ft. (msl)

## 22. Casings, Liners\*, & Screen Information

Diam. (in.)	Material	Joint	Slot Size	From (ft.)	To (ft.)
6	PVC	solvent		0+3	26
6	PVC screen		30	26	31
6	PVC	solvent		31	32

(\*)

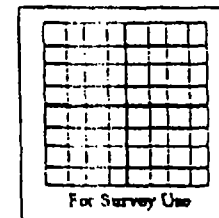
(List reason for liner, type of upper and lower seals installed)

23. Water from sand & gravel at a depth of 9 ft. to 35 ft.  
 a. static water level 12 ft. below casing which is 3 in. above ground  
 b. pumping level is \_\_\_\_\_ ft. pumping \_\_\_\_\_ gpm after pumping for \_\_\_\_\_ hours

24. Earth Materials Passed Through	From (ft.)	To (ft.)
clay gray	0	4
clay brown very sandy	1	5
sand dark brown	9	14
sand dark brown w/ pcs of wood	8	22
sand & gravel brown	9	31
sand gray M-F	1	32

(IF DRY HOLE, fill out log & indicate how hole was sealed)

Clarence Johnson License # 102 000304  
 25. Licensed Water Well Contractor Signature License Number



MAD3N9W-30.7e

June 25, 1953

PARTIAL CHEMICAL ANALYSIS

Sample of water collected June 9, 1953 from a well owned by Madison High School in Madison, Illinois, Madison County. Location of well: Approx 1000'E and 2000'S of the NW corner of section 30, T3N, R9W. Depth of well: 101 feet.

LABORATORY NO. 146826

D

	<u>ppm.</u>	<u>epm.</u>			<u>ppm.</u>	<u>epm.</u>
Iron(total) Fe	8.7		Fluoride	F	0.3	
			Chloride	Cl	29.	.82
			Sulfate	SO <sub>4</sub>	138.6	2.88
			Alkalinity (as	CaCO <sub>3</sub> )	308.	6.16
Turbidity	54		Hardness (as	CaCO <sub>3</sub> )	420.	8.40
Color	0					
Odor	M					
Temp.(reported)	57°F.		Total Dissolved Minerals		520.	

ppm. = parts per million  
epm. = equivalents per million  
ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

Laurel M. Henley  
Associate Chemist

LMH:ceh

gal.

This well furnishes water for watering the Athletic Field and grounds around High School.

City Madison Illinois County Madison, County

Section 30 Twp. No. 3 N. Range 9 W.  
Located on East Side of Farish Street between 5th & 6th Streets, Madison, Ill.  
Location (in feet from section corner) Approx. 1000 ft East & 2000 ft. South of N.W.  
Corner of Sec. 30 T. 3 N., R. 9 W.

Owner Madison High School. Authority \_\_\_\_\_

Contractor Luhr Bros., Inc. Address Columbia, Illinois

Date drilled May 6, 1958 Elev. above sea level top of well 415' MSL (from Map).

Depth 101 ft.

Log See reverse side of this sheet for log.

Were drill cuttings saved No. Where filed \_\_\_\_\_

Size hole \_\_\_\_\_ If reduced, where and how much \_\_\_\_\_

Screen 37.0 ft Wood.  
Casing record 3" id Treated wood. Gravel Packed. Riser 62.6 ft "  
1.5 ft Steel.

Distance to water when not pumping 25.1 Distance to water Not measured.

feet after pumping at \_\_\_\_\_ G. P. M. for \_\_\_\_\_ hours.

Reference point for above measurements \_\_\_\_\_

Type of pump Peerless Distance to cylinder \_\_\_\_\_

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Length stroke \_\_\_\_\_ Speed \_\_\_\_\_

Hours used per day \_\_\_\_\_ Type of power U.S. Motor.

Rating of motor 15 HP. Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level No.

(2) Pumping level No. (3) Discharge No.

(4) Influence on other wells \_\_\_\_\_

Temperature of water 57 F. Was water sample collected \_\_\_\_\_

Date June 9, 1958 Effect of water on meters, hot water coils, etc. \_\_\_\_\_

Date of Analysis \_\_\_\_\_ Analysis No. 146826  
Please send copy of analysis to  
Board of Education  
1707, 4th Street, Madison, Illinois

Recorder \_\_\_\_\_

Date \_\_\_\_\_

3096-30-62  
January 4, 1979

### MINERAL ANALYSIS

Sample of water collected November 9, 1978, from a well owned by Madison High School,  
Madison, Illinois, in Madison County. Location of well: Section 30.6e, T3N, R9W.  
Depth of well: 101 feet. *water temp. 57 1/2°*

LABORATORY NO. 209542

	mg/l	me/l		mg/l	me/l
Iron(total) Fe	26.		Phosphate(filt) P	0.0	
Manganese Mn	.28		(unfilt) P	0.4	
Calcium Ca	132	6.59	Silica SiO <sub>2</sub>	23.1	
Magnesium Mg	38.3	3.15	Fluoride F	0.2	
Strontium Sr	.32	.01	Boron B	0.4	
Sodium Na	52.3	2.28	Nitrate NO <sub>3</sub>	0.1	.00
Potassium K	5.3	.14	Nitrite NO <sub>2</sub>	.01	.00
Ammonium NH <sub>4</sub>	0.4	.02	Chloride Cl	90	2.54
Barium Ba	<0.1		Sulfate SO <sub>4</sub>	203.2	4.23
Cadmium Cd	.00		Alkalinity (as CaCO <sub>3</sub> )	272	5.44
Chromium Cr	.00				
Copper Cu	.00				
Lead Pb	<.05				
Lithium Li	.00				
Nickel Ni	<.05				
Zinc Zn	.11				
Silver Ag	.00				
Turbidity	86		Hardness (as CaCO <sub>3</sub> )	487	9.74
Color	0				
Odor	0				
Temp.(reported)	57.5		Total Dissolved Minerals	702	

mg/l = milligrams per liter  
me/l = milliequivalents per liter  
mg/l x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

James C. Whitney  
Head, Analytical Laboratory  
217/333-0802

JCW/pcb



Three copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

Gateway National  
Golf Links

9. Driller GARY SISK License No. 102-003365  
10. Well Site Address RT 203 & BIG BEND  
11. Property Owner GATEWAY NATIONAL Well No. 1  
12. Permit No. 119 025 97 Date Issued 6-19-97  
13. Location: County MADISON  
Sec. 31.8a  
Twp. 3N  
Rge. 9W

#### 1. Type of Well

a. Bored ☒ Hole Diam. 30 in. Depth 88 ft  
Buried Slab: Yes ☐ No ☒  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth 88 ft  
c. Drilled ☐ Finished in Drift ☒ In Rock ☐  
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
<u>concrete</u>	<u>0</u>	<u>20</u>

2. Well furnishes water for human consumption? Yes ☐ No ☒  
3. Date well drilled 6 20 97  
4. Permanent pump installed? Yes ☒ Date 6.20.97 No ☐  
Manufacturer Berkley Type sub  
Location in well  
Capacity 700 gpm. Depth of setting 60' ft.  
5. Well top sealed? Yes ☒ No ☐ Type CAP  
6. Pitless adapter installed? Yes ☐ No ☒  
Manufacturer ☐ Model No. ☐  
How attached to casing? ☐  
7. Well disinfected? Yes ☒ No ☐  
8. Pump and equipment disinfected Yes ☒ No ☐

#### IMPORTANT NOTICE

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PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

IL482-0126

14. Water from SAND at depth 38 ft  
15. Casing and Liner Pipe to 78 ft  
Diam. (in) Kind and Weight From (ft) To (ft)  
16" PVC SDR26 0 38  
Show location in section plat  
SWSWSW  
IRR

16. Screen: Diam. 16" in, Length 40' in, Slot Size 0.85  
17. Size hole below casing ☐ in. 18. Ground Elev. ☐ ft msl.  
19. Static level 8 ft below casing top which is 2 ft. above ground level. Pumping level ☐ ft, pumping gpm for ☐ hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
<u>fill</u>	<u>0</u>	<u>4</u>
<u>fine sand &amp; silt</u>	<u>4</u>	<u>40</u>
<u>medium sand</u>	<u>40</u>	<u>78</u>

Continue on separate sheet if necessary.

Signed Ray Sisk Date 6 29 97

City \_\_\_\_\_ County Medford  
 Section 35 Twp. No. 3N Range 5W  
 Location (in feet from section corner) [REDACTED]  
 Owner [REDACTED] Authority Sherman  
 Contractor \_\_\_\_\_ Address \_\_\_\_\_  
 Date drilled 1933 Elev. above sea level top of well 430  
 Depth 42'  
 Log Sand

Were drill cuttings saved No Where filed \_\_\_\_\_

Size hole 1 1/2 If reduced, where and how much \_\_\_\_\_

Casing record Dip

Distance to water when not pumping 22' Distance to water is \_\_\_\_\_

feet after pumping at \_\_\_\_\_ G. P. M. for \_\_\_\_\_ hours.

Reference point for above measurements G.L.

Type of pump Sand Distance to cylinder \_\_\_\_\_

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Length stroke 4" Speed \_\_\_\_\_

Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_

Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level \_\_\_\_\_

(2) Pumping level \_\_\_\_\_ (3) Discharge \_\_\_\_\_

(4) Influence on other wells ND

Temperature of water \_\_\_\_\_ Was water sample collected No

Date \_\_\_\_\_ Effect of water on meters, hot water

coils, etc. - 1000

Date of Analysis \_\_\_\_\_ Analysis No. \_\_\_\_\_

Recorder C. A. Garfer

Date 3/27/34

97580  
 Ex 6  
 3 Redactions

City \_\_\_\_\_ County Madison  
 Section 35 Twp. No. 3N Range 9-10W  
 Location (in feet from section corner) 750' from E line 110' from S line  
 Owner Famey Bros. Authority Jarnes  
 Contractor Do Address \_\_\_\_\_  
 Date drilled 1930 Elev. above sea level top of well 420  
 Depth 45'  
 Log Sand. Hard pan at 40

Were drill cuttings saved \_\_\_\_\_ Where filed \_\_\_\_\_  
 Size hole 1 1/2" If reduced, where and how much \_\_\_\_\_  
 Casing record Steel pipe  
 Distance to water when not pumping 40' Distance to water is \_\_\_\_\_  
 feet after pumping at \_\_\_\_\_ G. P. M. for \_\_\_\_\_ hours.  
 Reference point for above measurements G. L.  
 Type of pump Hand Distance to cylinder \_\_\_\_\_  
 Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_  
 Length stroke 10" Speed \_\_\_\_\_  
 Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_  
 Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. \_\_\_\_\_  
 Can following be measured: (1) Static water level \_\_\_\_\_  
 (2) Pumping level \_\_\_\_\_ (3) Discharge \_\_\_\_\_  
 (4) Influence on other wells 1/0  
 Temperature of water \_\_\_\_\_ Was water sample collected Yes  
 Date 3/27/31 Effect of water on meters, hot water  
 coils, etc. Scale

Date of Analysis \_\_\_\_\_ Analysis No. \_\_\_\_\_  
 Recorder C. A. Goff  
 Date 3/27/31

92581

Copy - see original and other data in St. Clair County folder

City E. St. Louis, R.F.D. 3 County Madison

Section 35 Twp. No. 3N Range 9W

Location (in feet from section corner) 750' W. & 110' N of S.E. corner

Owner Ramey Bros. Authority Jas. Ramey

Contractor Jas. Ramey Address R.F.D. 3

Date drilled 1930 Elev. above sea level top of well \_\_\_\_\_

Depth 45'

Log sand below 22'

Were drill cuttings saved no Where filed \_\_\_\_\_

Size hole 1 1/2" If reduced, where and how much \_\_\_\_\_

Casing record 42' of 1 1/2" pipe 3' well point

Distance to water when not pumping 24' Distance to water is \_\_\_\_\_

feet after pumping at \_\_\_\_\_ G. P. M. for \_\_\_\_\_ hours.

Reference point for above measurements surface

Type of pump hand Distance to cylinder \_\_\_\_\_

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Length stroke \_\_\_\_\_ Speed \_\_\_\_\_

Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_

Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. 5 (?)

Can following be measured: (1) Static water level No

(2) Pumping level \_\_\_\_\_ (3) Discharge Yes

(4) Influence on other wells \_\_\_\_\_

Temperature of water \_\_\_\_\_ Was water sample collected Yes

Date \_\_\_\_\_ Effect of water on meters, hot water

coils, etc. \_\_\_\_\_

I e of Analysis \_\_\_\_\_ Analysis No. 74369

Recorder M.A. Churchill

Date 3/27/39

92581

Sample collected after pumping for 30 minutes at and estimated rate of 600 to 800 gpm.

City North of Mounds State Park County Madison

Section            Twp. No.            Range           

Location (in feet from section corner)           

Owner            Authority           

Contractor Luhr Bros, Inc. Address Columbia, Illinois

Date drilled September 14, 1955 Elev. above sea level top of well 412 ± MSL (from topog map.)

Depth 100 feet.

0 to 34 ft.	Top soil & much.	55 to 86 ft.	Coarse sand- some
Log 34 to 46 ft.	Medium sand.		gravel.
46 to 49 ft.	Medium fine sand.	86 to 96 ft.	Heavy gravel. <u>RAM</u>
49 to 54 ft.	Coarse sand.		Boulders or rock at
54 to 55 ft.	Medium sand.		bottom.

Were drill cuttings saved yes Where filed ?

Size hole 28-inch If reduced, where and how much           

Casing record 14-inch steel casing from 0 to 63 feet. 12-inch steel, slotted casing from 63 to 96 feet. Gravel-packed.

Distance to water when not pumping 12 feet Distance to water is 16.8 ft

feet after pumping at 600 to 800 G. P. M. for 30 minutes hours. XXXX

Reference point for above measurements Top of casing which is approx 2 feet above ground surface.

Type of pump Fairbanks Morse Turbine Distance to cylinder Bottom of bowls set at 45 feet below base of pump.

Length of cylinder 7-stage Length of suction pipe below cylinder None

Turbine shaft-driven from gasoline or diesel engine. Speed Rated at 1750 RPM

Hours used per day            Type of power Gasline or Diesel engine

Rating of motor            Rating of pump in G. P. M.           

Can following be measured: (1) Static water level At present- with tape.

(2) Pumping level with tape. (3) Discharge No.

(4) Influence on other wells No other wells near.

Temperature of water 57 F. Was water sample collected Yes

Date November 1, 1955 Effect of water on meters, hot water

coils, etc.           

Date of Analysis            Analysis No.           

Please send copy of analysis to

M. R. Jones

Recorder           

Date           

2807-22617 12

E.G.Jones

97587  
EX. 6  
7 REDACTION

Sample from

027

City Madison County Madison

Section 15 Twp. No. 30 Range 7N

Location (in feet from section corner) [redacted]

Owner [redacted] Authority [redacted]

Contractor [redacted] Address [redacted]

Date drilled [redacted] Elev. above sea level top of well [redacted]

Depth 1552' plugged at 65'

Log [redacted]

Were drill cuttings saved [redacted] Where filed [redacted]

Size hole [redacted] If reduced, where and how much [redacted]

Casing record [redacted]

Distance to water when not pumping [redacted] Distance to water is [redacted]

feet after pumping at [redacted] G. P. M. to [redacted] hours [redacted]

Reference point for above measurements [redacted]

Type of pump [redacted] Distance to cylinder [redacted]

Length of cylinder [redacted] Length of suction pipe below cylinder [redacted]

Length stroke [redacted] Speed [redacted]

Hours used per day [redacted] Type of power [redacted]

Rating of motor [redacted] Rating of pump in G. P. M. [redacted]

Can following be measured: (1) Static water level [redacted]

(2) Pumping level [redacted] (3) Discharge [redacted]

(4) Influence on other wells [redacted]

Temperature of water 57 Was water sample collected [redacted]

Date July 3-1953 Effect of water on meters, hot water coils, etc. [redacted]

Date of Analysis [redacted] Analysis No. 132403

Recorder [redacted]

Date [redacted]

*ELG*

92553  
EX. 6  
5 REDUCTIONS

copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug ☐ Bored ☒ Hole Diam. 12 in. Depth 80 ft.  
Curb material ☐ Buried Slab: Yes ☐ No ☐  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft.  
c. Drilled ☒ Finished in Drift ☐ In Rock ☐  
Tubular ☐ Gravel Packed ☒  
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
cement	-20	surface

2. Distance to Nearest: over minimum

Building ☐ Ft. Seepage Tile Field ☐  
Cess Pool ☐ Sewer (non Cast Iron) ☐  
Privy ☐ Sewer (Cast Iron) ☐  
Septic Tank ☐ Barnyard ☐  
Leaching Pit ☐ Manure Pile ☐

3. Well furnishes water for human consumption? Yes ☒ No ☐

4. Date well completed 9/5/81

5. Permanent Pump Installed? Yes ☒ Date 10/1/81 No ☐

Manufacturer Baker Type hand Location ☐

Capacity 1-5 gpm. Depth of Setting 60' Ft.

6. Well Top Sealed? Yes ☒ No ☐ Type rubber gasket

7. Pitless Adapter Installed? Yes ☐ No ☒

Manufacturer ☐ Model Number ☐

How attached to casing? ☐

8. Well Disinfected? Yes ☒ No ☐

9. Pump and Equipment Disinfected? Yes ☒ No ☐

10. Pressure Tank Size ☐ gal. Type ☐

Location ☐

11. Water Sample Submitted? Yes ☒ No ☐

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Ill. Dept. Conservation at Horwath's Lake Date 10/1/81

Address Springfield, Illinois

Driller John T. Ruester License No. 102-002045

11. Permit No. 100736 Date 6/27/81

12. Water from Sand 13. County Madison

Formation  
at depth 30 to 85 ft. X Sec. 27N

14. Screen: Diam. 6 in. Twp. 3N

Length: 5 ft. Slot #6 Rge. 9W

Elev. 406


15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
6	Steel 18.97 lb/ft	5	75
6	SS well screen	75	80

SHOW  
LOCATION IN  
SECTION PLAT  
330'S 330'E  
SE 30 NE  
(part.)

16. Size Hole below casing: ☐ in.

17. Static level 7 ft. below casing top which is 0 ft.  
above ground level. Pumping level 12.5 ft. when pumping at 30  
gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	13	13
Fine sand	17	30
Medium to coarse sand	68	85

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul Beardslee DATE 5/10/83

# WATER WELL SEALING FORM

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

TYPE OR PRESS FIRMLY

RETURN ALL COPIES TO IDPH

This form shall be submitted to this Department not more than 30 days after a potable water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code.

1. Ownership (Name of Controlling Party) Bank of Edwardsville
2. Well Location: Bend Rd Madison Madison  
Address - Lot # 2d City County  
General Description: Section 31 Township 3 N (N) (S) Range 9 W (E) (W)  
NW Quarter of the NE Quarter of the SE Quarter
3. Year Drilled ?
4. Drilling Permit # (and date, if known) ?
5. Type of Well: ☐ Bored ☐ Drilled ☒ Other brick
6. Total Depth 18' Diameter (inches) 36"
7. Formation clear of obstruction ☒ yes ☐ no
8. DETAILS OF PLUGGING  
Filled with clay from 18' to 0 ft.  
(cement or other materials)  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
9. CASING RECORD  
Upper 2 feet of casing removed ☒ yes ☐ no
10. Date well was sealed: Month August Day 18 Year 2004
11. Licensed Water Well Contractor or other person approved by the Department performing well sealing:

Dan Kohnen

102 004090

Name

License Number

503 Green St

Germantown

IL. 62245

Address

City

State/Zip

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forum Management Center.





111. Prot. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

# Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well 52.5  
 a. Bored        Hole Diam. 8 1/2 in. O.D. Depth 52.5 ft  
     Buried Slab: Yes        No X  
 b. Driven        Drive Pipe Diam.        in. Depth        ft  
 c. Drilled X Finished in Drift        In Rock
- | (KIND)           | FROM (Ft.) | TO (Ft.)               |
|------------------|------------|------------------------|
| Cement/Bentonite | 0          | 35.5 <del>ft</del> BGS |
|                  |            |                        |
|                  |            |                        |
- d. Grout:
2. Well furnishes water for human consumption? Yes        No X  
 3. Date well drilled July 24, 1996  
 4. Permanent pump installed? Yes        Date        No X  
     Manufacturer NA Type NA  
     Location NA  
     Capacity NA gpm. Depth of setting NA ft.  
 5. Well top sealed? Yes X No        Type EXPANDABLE PLUG  
 6. Pitless adapter installed? Yes        No X  
     Manufacturer NA Model No. NA  
     How attached to casing? NA  
 7. Well disinfected? Yes        No X NA  
 8. Pump and equipment disinfected Yes        No NA

**IMPORTANT NOTICE**

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

9. Driller Roberts Env. Drilling Inc. License No. 092-006865  
10. Well Site Address Granite City, IL  
11. Property Owner National Steel Corp. Well No. G133  
12. Permit No. \_\_\_\_\_ Date Issued \_\_\_\_\_  
13. Location: West Side of County Madison  
Granite City Landfill - Sec. 30  
next to perimeter road. Twp. 3N  
Rae. 9W
- |  |  |  |   |
|--|--|--|---|
|  |  |  |   |
|  |  |  |   |
|  |  |  | * |


- |                           |                       |                         |               |  |  |
|---------------------------|-----------------------|-------------------------|---------------|--|--|
| 14. Water from _____      |                       | at depth <u>16.5</u> ft |               | <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> |  |
| 15. Casing and Liner Pipe |                       | to _____ ft             |               | Show location  |  |
| Diam. (in)                | Kind and Weight .010" | From (ft)               | To (ft)       | in section   |  |
| 2 I.D.                    | Sc4 40 PVC Screen     | 52.5                    | 42.0          | BGS plat   |  |
| 2 I.D.                    | Sc4 40 Pvc            | BGS<br>42.0             | A.G.S.<br>2.5 |  |  |
|                           |                       |                         |               |  |  |
|                           |                       |                         |               |  |  |

16. Screen: Diam. 2 in, Length 10.5 in, Slot Size .010"  
17. Size hole below casing NA in. 18. Ground Elev. 420 ft msl.  
19. Static level      ft below casing top which is      ft. above  
ground level. Pumping level      ft, pumping gpm for      hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Brn Si Sa	0	11'
Gry Si Cl	11'	10'
Brn Fi-med Sa	18'	44'
Gry Med-Co Sa	44'	52.5'

Continue on separate sheet if necessary.

Signed missy Date 8/14/96

8/4/97

V

11/95

8/4/97

1. Date Well Completed 7/24/97  
2. Use: ☐ Domestic ☐ Irrigation ☐ Commercial ☐ Livestock  
☒ Monitoring ☐ Other \_\_\_\_\_  
3. Type of Well:

- ### Casing Grout:

Finished In: Unconsolidated ☐ Gravel Pack: ☒ Yes ☐ No  
Rock ☐ Grain Size "6 well more"

- General Comments: (If dry hole, fill out log & indicate how hole was sealed.)

**IMPORTANT NOTICE.** This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

11. Permit Number n/a Date Issued n/a  
12. Property Owner National Steel Corp Well # T-136  
13. Drilling Company Name Harriss Drilling Services, Inc.  
14. Name of Person who drilled the well Chuck Harriss  
15. Well Site Address Grange City, IL ; section III/IV landfill  
16. Twship Name Marion Land ID# —  
17. Subdivision Name n/a Lot n/a Elevation ~408 ft.  
18. Location: Cnty Madison Sect 30 Twship 3N Range 9W  
NE Quarter of the NE Quarter of the SE Quarter

- ### 19. Casing and Liner Pipe:

**20. Screen:**

- Diameter 2 in.  
Length 10 ft.  
Slot Size 10  
Material PRE Sch. 40

21. Water from top of casing at depth 7.05 ft. to — ft.  
22. Static Level 7.05 ft. below casing top which is 2.50 in. above ground level.  
Pumping Level n/a ft. Pumping n/a gpm for n/a<sup>hr</sup> hours.

- | 23. Earth Materials Passed Through | Depth Top(ft) | Depth Bottom(ft) |
|------------------------------------|---------------|------------------|
|------------------------------------|---------------|------------------|

[illegible]

Continue on back of sheet if necessary

Charles S. Hays  
Hays Drilling Services, Inc.  
Licensed Contractor Signature

**License Number**

**Date** 7/13/01

**TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETION AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT**

1. Date Well Completed June 12, 2001
2. Use: ☐ Domestic ☐ Irrigation ☐ Commercial ☐ Livestock  
☒ Monitoring ☐ Other \_\_\_\_\_
3. Type of Well:
- a. Bored Well: Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Casing Diameter \_\_\_\_\_ in. Buried Slab: ☐ Yes ☐ No
- b. Driven Well: Drive Pipe Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.
- c. Drilled Well: Well Diameter 8.5 in. Depth 23.0 ft.  
Casing Diameter 2.0 in. Type PVC Sch 40 Joint PVC Sch 40

### Casing Grout:

## Oversized

Kind	Drill Hole(In)	From(ft)	To(ft)
Cement	8.5	3.0	0.0
Bentonite Chips	8.5	11.0	3.0

Finished In: Unconsolidated ☒ Gravel Pack: ☐ Yes ☒ No

**Rock [ ]      Grain Size**

4. Well Disinfected? [ ] Yes [X] No
5. Date Permanent Pump Installed NA
6. Licensed Pump Contractor NA  
License Number NA
7. Pitless Adapter Installed? [ ] Yes [X] No  
Manufacturer --- Model ---  
Attached to Casing - How? [ ] Screwed On [ ] Welded [ ] Compression
8. Type of Well Cap Expandable Plug
9. Tank Working Cycle --- gallons Captive Air: [ ] Yes [ ] No
10. Pump and Equipment Disinfected? [ ] Yes [ ] No  
NA

**General Comments:** (If dry hole, fill out log & indicate how hole was sealed.)

Illinois Department of Public Health  
Division of Environmental Health - 525 W. Jefferson  
Springfield, IL 62761 833-1051

CO #: 27861

# GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number NA Date Issued \_\_\_\_\_  
12. Property Owner National Steel Corporation Well # R130  
13. Drilling Company Name MRK Environmental  
14. Name of Person who drilled the well Mike Kosydor  
15. Well Site Address Granite City Landfill Section III/IV  
16. Twnshp Name --- Land ID# ---  
17. Subdivision Name --- Lot 4 Elevation --- ft.  
18. Location: Cnty Madison Sect 30 Twnshp 3N Range 9W  
NE Quarter of the NE Quarter of the SE Quarter  
19. Casing and Liner Pipe: \_\_\_\_\_ 20. Screen: Prepack

Dia (In.)	Type	From(ft)	To (ft)
2	PVC Sch 40	13.0	-2.79
2	PVC Sch 40 Prepack Sc	23.0	13.0

Diameter 2 in.  
 Length 10 ft.  
 Slot Size 0.010  
 Material PVC

21. Water from \_\_\_\_\_ at depth 13.0 ft. to 23.0 ft.  
22. Static Level 15.69 ft. below casing top which is 32.28 in. above ground level.  
Pumping Level NA ft. Pumping NA gpm for \_\_\_\_\_ hours.

[illegible]

Continue on back of sheet if necessary

**Licensed Contractor Signature**

062-047168

**License Number**

**IMPORTANT NOTICE.** This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0663. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

**Illinois Department of Public Health  
WATER WELL CONSTRUCTION REPORT**

Date 4/30/01

**TYPE OR PRESS FIRMLY WITH BLACK INK PEN.** COMPLETE WITHIN 30 DAYS OF WELL COMPLETION AND SEND TO THE APPROPRIATE HEALTH DEPARTMENT.

1. Type of Well a. Driven Well Casing diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
b. Bored Well Buried Slab ☐ Yes ☐ No  
Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
c. Drilled Well PVC casing Formation packer set at depth of \_\_\_\_\_ ft.  
Hole Diameter 8.25 in. to 27.3 ft. \_\_\_\_\_ in. to \_\_\_\_\_ ft. \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)
Cement	1		0	1.0	
Bentonite Chips	4		1.0	14.0	

- d. Drilled Well Steel Casing - - Mechanically Driven ☐ Yes ☐ No  
Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft. \_\_\_\_\_ in. to \_\_\_\_\_ ft. \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)

- e. Well finished within ☒ Unconsolidated Materials ☐ Bedrock

f. Kind of Gravel Sand Pack	Grain Size/Supplier #	From (ft.)	To (ft.)
Sand		14.0	27.0

2. Well Use ☐ Domestic ☐ Irrigation ☐ Commercial ☐ Livestock  
☒ Monitoring ☐ Other  
3. Date Well Completed 4/18/01 Well Disinfected ☐ Yes ☒ No  
Driller's estimated well yield \_\_\_\_\_ gpm  
4. Date Permanent Pump Installed \_\_\_\_\_  
5. Pump Capacity \_\_\_\_\_ gpm Set at (depth) \_\_\_\_\_ ft.  
6. Pitless Adapter Model and Manufacturer \_\_\_\_\_  
7. Well Cap Type and Manufacturer EXPANDABLE PLUG  
8. Pressure Tank Working Cycle \_\_\_\_\_ gals. Captive Air ☐ Yes ☐ No  
9. Pump System Disinfected ☐ Yes ☐ No  
10. Name of Pump Company \_\_\_\_\_  
11. Pump Installer \_\_\_\_\_ License # \_\_\_\_\_  
12. \_\_\_\_\_ License # \_\_\_\_\_

Licensed Pump Contractor Signature

Illinois Department of Public Health  
Division of Environmental Health  
525 W. Jefferson St.  
Springfield, IL 62761

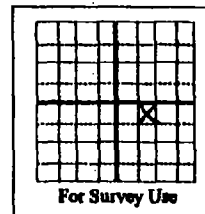
COUNTY NO. 27768

DO NOT write on these lines

IMPORTANT NOTICE: This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. **DISCLOSURE OF THIS INFORMATION IS MANDATORY.** This form has been approved by the Forms Management Center.

**GEOLOGICAL AND WATER SURVEY WELL RECORD**

13. Property Owner National Steel Corporation Well # G118R  
14. Driller MRK Environmental License # \_\_\_\_\_  
15. Name of Drilling Co. MRK Environmental  
16. Permit No. NA 119 Date Issued \_\_\_\_\_  
17. Date Drilling Started 4/18/01  
18. Well SITE address GRANITE CITY STEEL LANDFILL  
19. Township Name \_\_\_\_\_ Land ID # \_\_\_\_\_  
20. Subdivision Name \_\_\_\_\_ Lot # \_\_\_\_\_  
21. Location a. County MADISON  
b. Township 3N Range 9W Section 30 3d  
c. NE Quarter NW Quarter SE Quarter  
d. Coordinates \_\_\_\_\_ Site Elevation 420 ft. (msl)



**22. Casings, Liners\* and Screen Information**

Diam. (in.)	Material	Joint	Slot Size	From (ft.)	To (ft.)
2	PVC	Thread	0.010	27.0	17.0
2	PVC	Thread		17.0	-3.4

Prepack

(\*)

(List reason for liner, type of upper and lower seals installed)

23. Water from \_\_\_\_\_ at a depth of \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
a. Static water level 18.6 ft. below casing which is 41 in. above ground  
b. Pumping level is \_\_\_\_\_ ft. pumping \_\_\_\_\_ gpm after pumping for \_\_\_\_\_ hours

**24. Earth Materials Passed Through**

	From (ft.)	To (ft.)
Gravel, Dark Gray Silty Sand	0.0	3.0
Gray Silty Fine to Medium Sand	3.0	27.3

(If dry hole, fill out log and indicate how hole was sealed.)

Franklin D. Maddox  
25. Licensed Water Well Contractor Signature  
P.E.

062-047168  
License Number

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

Date 1/22/2001

# GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number \_\_\_\_\_ Date Issued \_\_\_\_\_  
12. Property Owner National Steel Corp Well # P201  
13. Drilling Company Name Roberts Env. Drilling, Inc. 476 7334  
14. Name of Person who drilled the well Jim Barker / Joe Brown  
15. Well Site Address Granite City, Twp Proposed Section 5 Landfill  
16. Twnshp Name Nomeak Land ID# \_\_\_\_\_  
17. Subdivision Name NA 6F Lot NA Elevation ~407.4 ft.  
18. Location: Cnty Madison Sect 30 Twnshp 3N Range 9W  
NW Quarter of the SE Quarter of the NW <sup>4th</sup> Quarter

### 19. Casing and Liner Pipe:

**20. Screen:**

Dia (In)	Type	From(ft)	To (ft)	Diameter
2"	Schedule 40 PVC			2 in.
				Length 10 ft.
				Slot Size 10
				Material PVC

21. Water from top of casing at depth 9.54 ft. to — ft.

22. Static Level 9.54 ft. below casing top which is 38.43 ft. above ground level.

Pumping Level	ft.	Pumping	gpm for	ft.	hours.
---------------	-----	---------	---------	-----	--------

23. Earth Materials Passed Through	Depth Top(ft)	Depth Bottom(ft)
------------------------------------	---------------	------------------

[illegible]

Continue on back of sheet if necessary

**Licensed Contractor Signature**

**License Number**

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

Illinois Department of Public Health  
Division of Environmental Health - 525 W. Jefferson  
Springfield, IL 62761

CO #. 27979

**IMPORTANT NOTICE.** This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0663. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

RECEIVED

DEC 22 2003

DIVISION OF  
ENVIRONMENTAL HEALTHILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code.

1. Ownership (Name of Controlling Party) Granite City Steel
2. Well Location: 20<sup>th</sup> & State St. Granite City Madison  
Address & Lot Number City County
- General Description: Township 3 (N)(S) Range 9 N (E)(W) Section 30  
Quarter of the SE Quarter of the NE Quarter
3. Year Drilled 7/12/05 1/01
4. Drilling Permit Number (and date, if known) WELL No. P 201
5. Type of Well: Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_
6. Total Depth 27.1' Diameter (inches) 2"
- Formation clear of obstruction X Yes \_\_\_\_\_ No \_\_\_\_\_
8. DETAILS OF PLUGGING Overdrilled w/ 4 1/4" HSA - Back filled w/ bentonite & hydrated  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
(cement or other materials)
- Kind of plug Bentonite-hydrated from 27.1 to 0 ft. 18 bags
- Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
- Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
- Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
- Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
9. CASING RECORD: Upper 2 feet of casing removed X Yes \_\_\_\_\_ No All well material removed.
10. Date well was sealed: Month SEPT Day 09 Year 03
11. Licensed water well driller or other person approved by the Department performing well sealing.

Name MRK Env. Exploration, Inc.5967 J Road

Address

Complete License Number

Waterloo

City

IL 62298

State/Zip



Date 1/24/01

**TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETION AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT**

1. Date Well Completed 1/17/01  
2. Use: ☐ Domestic ☐ Irrigation ☐ Commercial ☐ Livestock  
☒ Monitoring ☐ Other

**3. Type of Well:**

- a. Bored Well: Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Casing Diameter \_\_\_\_\_ in. Buried Slab: [ ] Yes [ ] No
- b. Driven Well: Drive Pipe Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.
- c. Drilled Well: Well Diameter 8.0 in. Depth 34.0 ft.  
Casing Diameter 2 in. Type PVC Joint Thread

### Casing Grout:

## Oversized

Kind	Drill Hole(In)	From(ft)	To(ft)

Finished In: Unconsolidated ☐ Gravel Pack: ☒ Yes ☐ No

Rock [ ] Grain Size 16-20 sieve size

4. Well Disinfected? ☐ Yes ☒ No
5. Date Permanent Pump Installed NA
6. Licensed Pump Contractor NA  
License Number \_\_\_\_\_
7. Pitless Adapter Installed? ☐ Yes ☐ No  
Manufacturer NA Model \_\_\_\_\_
- Attached to Casing - How? ☐ Screwed On ☐ Welded ☐ Compression
8. Type of Well Cap expandable & plug
9. Tank Working Cycle NA gallons Captive Air: ☐ Yes ☐ No
10. Pump and Equipment Disinfected? ☐ Yes ☐ No

**General Comments:** (If dry hole, fill out log & indicate how hole was sealed.)

Illinois Department of Public Health  
Division of Environmental Health - 525 W. Jefferson  
Springfield, IL 62761 834-221 /

**IMPORTANT NOTICE.** This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0063. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

# GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number \_\_\_\_\_ Date Issued \_\_\_\_\_  
 12. Property Owner National Steel Corp Well # P202  
 13. Drilling Company Name Roberts Env. Drilling, Inc.  
 14. Name of Person who drilled the well Jim Barker / Joe Brown  
 15. Well Site Address Granite City, IL; Proposed Section 5 Landfill  
 16. Twnshp Name Marion Land ID# \_\_\_\_\_  
 17. Subdivision Name \_\_\_\_\_ 6x Lot \_\_\_\_\_ Elevation 410.2 ft.  
 18. Location: Cnty Madison Sect 30 Twnshp 3N Range 9W  
NW Quarter of the SE Quarter of the NW <sup>1/4</sup> Quarter

### 19. Casing and Liner Pipe:

Dia (in)	Type	From(ft)	To (ft)
2	Schedule 40 PVC		

**20. Screen:**

Diameter 2 in.  
Length 10 ft.  
Slot Size 10  
Material Schedule 40 PVC

21. Water from top of casing at depth 12.35 ft. to — ft.  
22. Static Level 12.35 ft. below casing top which is 3.04 ft. above ground level.  
Pumping Level — ft. Pumping — gpm for — hours.

- | 23. Earth Materials Passed Through | Depth Top(ft) | Depth Bottom(ft) |
|------------------------------------|---------------|------------------|
|------------------------------------|---------------|------------------|

[illegible]

Continue on back of sheet if necessary

**Licensed Contractor Signature**

**License Number**

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

11/95

## WELL CONSTRUCTION REPORT

Date 1/24/01

TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETION AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT

1. Date Well Completed 1/18/01  
 2. Use: ☐ Domestic ☐ Irrigation ☐ Commercial ☐ Livestock  
☒ Monitoring ☐ Other \_\_\_\_\_

## 3. Type of Well:

a. Bored Well: Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

Casing Diameter \_\_\_\_\_ in. Buried Slab: ☐ Yes ☐ No

b. Driven Well: Drive Pipe Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

c. Drilled Well: Well Diameter 8.0 in. Depth 37 ft.Casing Diameter 2 in. Type Schedule 40 PVC Joint Threaded

Casing Grout:

Oversized

Kind	Drill Hole(In)	From(ft)	To(ft)

Finished In: Unconsolidated ☐ Gravel Pack: ☒ Yes ☐ NoRock ☐ Grain Size 16-20 sieve size

4. Well Disinfected? ☐ Yes ☒ No  
 5. Date Permanent Pump Installed NA  
 6. Licensed Pump Contractor NA  
 License Number \_\_\_\_\_  
 7. Pitless Adapter Installed? ☐ Yes ☐ No  
 Manufacturer NA Model \_\_\_\_\_  
 Attached to Casing - How? ☐ Screwed On ☐ Welded ☐ Compression  
 8. Type of Well Cap expandable plug  
 9. Tank Working Cycle NA gallons Captive Air: ☐ Yes ☒ No  
 10. Pump and Equipment Disinfected? ☐ Yes ☐ No

General Comments: (If dry hole, fill out log &amp; indicate how hole was sealed.)

Illinois Department of Public Health  
 Division of Environmental Health - 525 W. Jefferson  
 Springfield, IL 62761 340277

CO #. 27981

IMPORTANT NOTICE: This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

TI 482-0126

## GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number \_\_\_\_\_ Date Issued \_\_\_\_\_  
 12. Property Owner National Steel Corp Well # P203  
 13. Drilling Company Name Roberts Env. Drilling, Inc.  
 14. Name of Person who drilled the well Jim Barker/Joe Brown  
 15. Well Site Address Granite City, IL; Proposed Section 5 Land  
 16. Twnshp Name Namook Land ID# \_\_\_\_\_  
 17. Subdivision Name lot Lot \_\_\_\_\_ Elevation 406 ft.  
 18. Location: Cnty Madison Sect 30 Twnshp 3N Range 9W  
NW Quarter of the SE Quarter of the NW <sup>1/4</sup> Quarter  
 19. Casing and Liner Pipe: 20. Screen:  
 Dia (In) Type From(ft) To(ft) Diameter 2 in.  
2 Schedule 40 PVC \_\_\_\_\_ \_\_\_\_\_ Length 10 ft.  
 \_\_\_\_\_ \_\_\_\_\_ Slot Size 10  
 \_\_\_\_\_ \_\_\_\_\_ Material PVC

21. Water from top of casing at depth 8.38 ft. to \_\_\_\_\_ ft.  
 22. Static Level 8.38 ft. below casing top which is 3.5 <sup>3 1/2</sup> ft. above ground level. RW  
 Pumping Level \_\_\_\_\_ ft. Pumping \_\_\_\_\_ gpm for \_\_\_\_\_ hours. 2/6/0

## 23. Earth Materials Passed Through

	Depth Top(ft)	Depth Bottom(ft)
<u>Dark Gray Lean Clay</u>	<u>0</u>	<u>2</u>
<u>Dark Gray Silty Sand</u>	<u>2</u>	<u>6</u>
<u>Gray Lean Clay</u>	<u>6</u>	<u>12</u>
<u>Greenish Black Clayey Silt</u>	<u>12</u>	<u>19.5</u>
<u>Dark Gray Lean Clay</u>	<u>19.5</u>	<u>21</u>
<u>Very Dark Gray</u>		
<u>Poorly Graded Sand</u>	<u>21</u>	<u>37</u>

Continue on back of sheet if necessary

Licensed Contractor Signature \_\_\_\_\_

License Number \_\_\_\_\_

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

11/95

## WELL CONSTRUCTION REPORT

Date 1/24/01

TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETION AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT

1. Date Well Completed 1/19/01
2. Use: ☐ Domestic ☐ Irrigation ☒ Commercial ☐ Livestock  
☒ Monitoring ☐ Other \_\_\_\_\_
3. Type of Well:
- a. Bored Well: Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
 Casing Diameter \_\_\_\_\_ in. Buried Slab: ☐ Yes ☐ No
- b. Driven Well: Drive Pipe Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.
- c. Drilled Well: Well Diameter 8.0 in. Depth 28.4 ft.  
 Casing Diameter 2 in. Type Schedule 40 PVC Joint Threaded
- Casing Grout: Oversized
- | Kind | Drill Hole(In) | From(ft) | To(ft) |
|------|----------------|----------|--------|
|      |                |          |        |
|      |                |          |        |
|      |                |          |        |
- Finished In: Unconsolidated ☐ Gravel Pack: ☒ Yes ☐ No  
 Rock ☐ Grain Size 16-20 sieve size
4. Well Disinfected? ☐ Yes ☒ No
5. Date Permanent Pump Installed NA
6. Licensed Pump Contractor NA  
 License Number \_\_\_\_\_
7. Pitless Adapter Installed? ☐ Yes ☐ No  
 Manufacturer NA Model \_\_\_\_\_
- Attached to Casing - How? ☐ Screwed On ☐ Welded ☐ Compression
8. Type of Well Cap expandable plug
9. Tank Working Cycle NA gallons Captive Air: ☐ Yes ☒ No
10. Pump and Equipment Disinfected? ☐ Yes ☒ No

General Comments: (If dry hole, fill out log & indicate how hole was sealed.)

Illinois Department of Public Health

Division of Environmental Health - 525 W. Jefferson  
 Springfield, IL 62761

CO #. 27982

IMPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

TI. 682-0126

## GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number \_\_\_\_\_ Date Issued \_\_\_\_\_
12. Property Owner National Steel Corp Well # P204
13. Drilling Company Name Roberts Env. Drilling, Inc.
14. Name of Person who drilled the well Jim Barker / Joe Brown
15. Well Site Address Granite City, IL; Proposed Section 5 Land S/s
16. Twnshp Name Namook Land ID# \_\_\_\_\_
17. Subdivision Name NA Lot \_\_\_\_\_ Elevation 412.6 ft.
18. Location: Cnty Madison Sect 30 Twnshp 3N Range 9W  
NW Quarter of the SE Quarter of the NW 1/4 Quarter
19. Casing and Liner Pipe: Dia (In.) Type From(ft) To(ft)
- |          |                        |  |  |
|----------|------------------------|--|--|
| <u>2</u> | <u>Schedule 40 PVC</u> |  |  |
|          |                        |  |  |
|          |                        |  |  |
|          |                        |  |  |
20. Screen: Diameter 2 in.  
 Length 10 ft.  
 Slot Size 10  
 Material PVC

21. Water from top of casing at depth 13.9 ft. to   ft.
22. Static Level 13.9 ft. below casing top which is 28.32 ft. above ground level. 28.1 feet

Pumping Level \_\_\_\_\_ ft. Pumping \_\_\_\_\_ gpm for \_\_\_\_\_ hours.

23. Earth Materials Passed Through Depth Top(ft) Depth Bottom(ft)

Black Silt	0	2.75
Black Silty Clay	2.75	4.25
Dark Brown Lean Clay	4.25	6.5
Olive Brown		
Poorly Graded Sand	6.5	10.5
Gray Lean Clay	10.5	11.5
Olive Brown Silty Sand	11.5	12
Olive Brown		
Poorly Graded Sand	12	17
Light Olive Brown		
Well Graded Sand	17	28.4

Continue on back of sheet if necessary

Licensed Contractor Signature \_\_\_\_\_

License Number \_\_\_\_\_

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

RECEIVED

DEC 22 2003

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

Division of  
Environmental Health  
TYPE OR PRESS FIRMLY

C01EV

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code.

1. Ownership (Name of Controlling Party) Granite City Steel
2. Well Location: 20<sup>th</sup> & State St. Granite City Madison  
Address - Lot Number City County
- General Description: Township 30 (N)(S) Range 9 (E)(W) Section 30  
NE Quarter of the SE Quarter of the NE Quarter
3. Year Drilled 7/12/01 1/19/01
4. Drilling Permit Number (and date, if known) Well No. P-204
5. Type of Well: Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_
6. Total Depth 27.9' Diameter(inches) 2"
- Formation clear of obstruction X Yes \_\_\_\_\_ No \_\_\_\_\_
8. DETAILS OF PLUGGING Overdrilled w/ 4 1/4" HSA - Backfilled w/ bentonite  
hydrated  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
(cement or other materials)  
Kind of plug Bentonite Chips-Hydrated from 27.9' to 0 ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
9. CASING RECORD: Upper 2 feet of casing removed X Yes \_\_\_\_\_ No All well material removed
10. Date well was sealed: Month Sept Day 09 Year 03
11. Licensed water well driller or other person approved by the Department performing well sealing.

Name Mike Env. Exploration, Inc.Address 5967 T Road

Complete License Number

City WaterlooState/Zip IL 62298

## WELL CONSTRUCTION REPORT

Date 1/24/01

TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETION AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT

1. Date Well Completed 1/18/01  
 2. Use: ☐ Domestic ☐ Irrigation ☐ Commercial ☐ Livestock  
☒ Monitoring ☐ Other \_\_\_\_\_  
 3. Type of Well:

a. Bored Well: Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

Casing Diameter \_\_\_\_\_ in. Buried Slab: ☐ Yes ☐ No

b. Driven Well: Drive Pipe Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

c. Drilled Well: Well Diameter 8 in. Depth 23.5 ft.

Casing Diameter 2 in. Type Schedule 40 PVC Joint Threaded

Casing Grout:

Oversized

Kind	Drill Hole(In)	From(ft)	To(ft)

Finished In: Unconsolidated ☐ Gravel Pack: ☒ Yes ☐ No

Rock ☐ Grain Size 16-20 sieve size

4. Well Disinfected? ☐ Yes ☒ No

5. Date Permanent Pump Installed NA

6. Licensed Pump Contractor NA

License Number NA

7. Pitless Adapter Installed? ☐ Yes ☒ No

Manufacturer NA Model \_\_\_\_\_

Attached to Casing - How? ☐ Screwed On ☐ Welded ☐ Compression

8. Type of Well Cap expandable plug

9. Tank Working Cycle NA gallons Captive Air: ☐ Yes ☒ No

10. Pump and Equipment Disinfected? ☐ Yes ☒ No

General Comments: (If dry hole, fill out log & indicate how hole was sealed.)

Illinois Department of Public Health  
 Division of Environmental Health - 525 W. Jefferson  
 Springfield, IL 62761 2340279

CO # 27983

IMPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purposes as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

TI 482-0126

## GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number \_\_\_\_\_ Date Issued \_\_\_\_\_  
 12. Property Owner National Steel Corp Well # P205  
 13. Drilling Company Name Roberts Env. Drilling, Inc.  
 14. Name of Person who drilled the well Jim Barker Joe Brown  
 15. Well Site Address Granite City, IL Proposed Section 5 Landfill  
 16. Twnshp Name Nameok Land ID# \_\_\_\_\_  
 17. Subdivision Name 6A Lot \_\_\_\_\_ Elevation 412.6 ft.  
 18. Location: Cnty Madison Sect 30 Twnshp 3N Range 9W  
NW Quarter of the SE Quarter of the NW Quarter

19. Casing and Liner Pipe:

Dia (In)	Type	From(ft)	To (ft)
<u>2</u>	<u>Schedule 40 PVC</u>		

20. Screen:

Diameter 2 in.

Length 10 ft.

Slot Size 10

Material PVC

21. Water from top of casing at depth 14.45 ft. to \_\_\_\_\_ ft.

22. Static Level 14.45 ft. below casing top which is 41.04 in. above ground level.

Pumping Level \_\_\_\_\_ ft. Pumping \_\_\_\_\_ gpm for \_\_\_\_\_ hours.

23. Earth Materials Passed Through

	Depth Top(ft)	Depth Bottom(ft)
<u>Pack Reddish Brown</u>		
<u>Silty Sand</u>	<u>0</u>	<u>3.0</u>
<u>Dark Gray Lean Clay &amp; Sand</u>	<u>3.0</u>	<u>3.5</u>
<u>Black Lean Clay</u>	<u>3.5</u>	<u>4.0</u>
<u>Dark Brown Lean Clay</u>	<u>4.0</u>	<u>7.0</u>
<u>Brown Silty Sand</u>	<u>7.0</u>	<u>8.0</u>
<u>Dark Yellowish Brown</u>		
<u>Poorly Graded Sand</u>	<u>8.0</u>	<u>23.5</u>

Continue on back of sheet if necessary

Licensed Contractor Signature \_\_\_\_\_

License Number \_\_\_\_\_

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

11/95

COPY

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

TYPE OR PRESS FIRMLY

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code.

- Ownership (Name of Controlling Party) Granite City Steel
- Well Location: 20th State St. Granite City Madison  
Address - Lot Number City County
- General Description: Township 3 (N)(S) Range 9 (E)(W) Section 30  
Quarter of the SW Quarter of the NW Quarter
- Year Drilled 7/21/05/01
- Drilling Permit Number (and date, if known) WELL No. - P 205
- Type of Well: Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_
- Total Depth 24.2' Diameter (inches) 2"
- Formation clear of obstruction X Yes \_\_\_\_\_ No \_\_\_\_\_
- DETAILS OF PLUGGING overdrilled w/ 4 1/4" HSA - Backfilled from T.D. to surface w/ bentonite & hydrated  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
(cement or other materials)
- Kind of plug Bentonite Chips - Hydrated from 24.2 to 0 ft. 16 bags
- Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
- Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
- Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
- Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
- CASING RECORD: Upper 2 feet of casing removed X Yes \_\_\_\_\_ No ALL MATERIAL REMOVED
- Date well was sealed: Month SEPT Day 09 Year 03
- Licensed water well driller or other person approved by the Department performing well sealing.

Mark Env. Exploration, Inc.  
Name

5967 J Road  
Address

Not Required for Monitoring Wells  
Complete License Number

Waterloo  
City

IL 62298  
State/Zip

White & Pink Copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

CHECK FOR  
VARIANCE #  
ROBERT OLSON  
217-333-8700

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

1. Type of Well  
a. Bored ☒ Hole Diam. 20 in. Depth 100 ft  
Buried Slab: Yes ☐ No ☒  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft  
c. Drilled ☐ Finished in Drift ☐ In Rock ☐  
d. Grout:
- | (KIND)     | FROM (Ft.) | TO (Ft.) |
|------------|------------|----------|
| mat cement | SURFACE    | 58'      |
|            |            |          |
|            |            |          |
2. Well furnishes water for human consumption? Yes ☐ No ☒  
3. Date well drilled 11 12 99  
4. Permanent pump installed? Yes ☐ Date ☐ No ☒  
Manufacturer ☐ Type ☐  
Location ☐  
Capacity ☐ gpm. Depth of setting ☐ ft.  
5. Well top sealed? Yes ☒ No ☐ Type ☐  
6. Pitless adapter installed? Yes ☐ No ☐  
Manufacturer ☐ Model No. ☐  
How attached to casing? ☐  
7. Well disinfected? Yes ☒ No ☐  
8. Pump and equipment disinfected Yes ☐ No ☐

### IMPORTANT NOTICE

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

2326594 PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

IL482-0126

CO #. 29705

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller GARY SISK License No. 102-003365  
10. Well Site Address 25th & E 64th St Louis  
11. Property Owner DOT Well No. ☐  
12. Permit No. 529-002-99 Date Issued ☐  
13. Location: 40 N on 25th street 2004- County ST CLAIR  
E side Sec. 17  
SE 1/4 - SE 1/4 - NW 1/4 Twp. 2N  
Rge. 9W



14. Water from hard at depth ☐ ft  
15. Casing and Liner Pipe to ☐ ft Show location in section plot
- | Diam. (in) | Kind and Weight | From (ft) | To (ft) |
|------------|-----------------|-----------|---------|
| 16"        | STAINLESS STEEL | 3'        | 60'     |
|            |                 |           |         |
|            |                 |           |         |
|            |                 |           |         |
- Dewatering

16. Screen: Diam. 16" in, Length 40 ft, Slot Size 050  
17. Size hole below casing ☐ in. 18. Ground Elev. ☐ ft msl.  
19. Static level 7 ft below casing top which is 7 ft. above BELOW ground level. Pumping level ☐ ft, pumping gpm for ☐ hours.

20. Earth Materials Passed Through	Depth of	Depth of
	Top	Bottom
fine sand	0	18
sand medium to coarse	18	58
hard grey clay	58	61
coarse sand & cobbles	61	100

Continue on separate sheet if necessary.

Signed Ray Sh Date 12 8 99  
816-517-4931

# WELL CONSTRUCTION REPORT

TYPE OR PRESS FIRMLY WITH BLACK INK PEN

COMPLETE FORM WITHIN 30 DAYS OF WELL COMPLETION  
AND SEND TO THE APPROPRIATE HEALTH DEPARTMENT

Date 7/14/05

1. Type of Well: a. Driven Well: Casing Diam. \_\_\_\_\_ in. depth 65 ft.  
b. Bored Well: Buried Slab ( ) yes ( ) no  
Hole Diam. \_\_\_\_\_ in. to \_\_\_\_\_ ft. in. to \_\_\_\_\_ ft. in. to \_\_\_\_\_ ft.

- c. Drilled Well: PVC casing Formation Packer set at a depth of \_\_\_\_\_ ft.  
Hole Diam. 10 in. to 63 ft. in. to \_\_\_\_\_ ft. in. to \_\_\_\_\_ ft.  
Type of Grout # of Bags Grout Weight From (ft.) To (ft.) Trunk Depth (ft.)  
BENTONITE 8 0 15

- d. Drilled Well: Steel Casing Mechanically Driven ( ) yes ( ) no not required if GPS used  
Hole Diam. \_\_\_\_\_ in. to \_\_\_\_\_ ft. in. to \_\_\_\_\_ ft. in. to \_\_\_\_\_ ft.  
Type of Grout # of Bags Grout Weight From (ft.) To (ft.) Trunk Depth (ft.)  
GPS coordinates are required beginning 01/01/06

- e. Well finished within ( ) Unconsolidated Materials ( ) Bedrock  
f. Kind of Grout/Seal Pack Grout Size/Supplier # From (ft.) To (ft.)  
MUSCATINE 15 63

2. Well Use: (x) Domestic ( ) Irrigation ( ) Commercial ( ) Livestock  
( ) Monitoring ( ) Other  
3. Date Well Completed: 6/29/05 Well Disinfected (x) Yes ( ) No  
Driller's estimated well yield 30+ gpm  
4. Date Permanent Pump Installed 6/29/05  
5. Pump Capacity 25 gpm Set at (depth) 50 ft.  
6. Pitless Adapter Model & Manufacturer: BAKER 100BP  
Attachment to Casing: (x) Threaded ( ) Welded ( ) Compression  
7. Well Cap Type & Manufacturer: 6" PVC VENTED  
8. Pressure Tank: Working Cycle 25 gals. Captive Air: (x) Yes ( ) No  
9. Pump System Disinfected: (x) Yes ( ) No  
10. Name of Pump Company GOULDS  
11. Pump Installer: Arnie Steinkamp License # 101-005-197

12. \_\_\_\_\_ License # \_\_\_\_\_  
Licensed Pump Contractor Signature

Illinois Department of Public Health  
Division of Environmental Health - 525 W. Jefferson  
Springfield, IL 62761

DO NOT write on these lines

IMPORTANT NOTICE: This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 83-0863. DISCLOSURE OF THIS INFORMATION IS MANDATORY. This form has been approved by the Forms Management Center.

## GEOLOGICAL & WATER SURVEY WELL RECORD

13. Property Owner \_\_\_\_\_ Well # 1  
14. Driller Don Beckett License Number 102-003910  
15. Name of Drilling Company KOHNEN CONCRETE PRODUCTS  
16. Permit Number 163-35-05 Date Issued 6/24/05  
17. Date Drilling Started 6/29/05  
18. Well SITE Address \_\_\_\_\_  
19. Township Name CANTEEN Land ID # \_\_\_\_\_  
20. Subdivision Name \_\_\_\_\_ Lot # \_\_\_\_\_  
21. Location: a. County ST. CLAIR 2d w  
b. Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_

- c. GPS: \_\_\_\_\_  
22. Casings, Liners, & Screen Information  
Diam. (in.) Material Joint Type Slot Size From (ft.) To (ft.)  
6" PVC CERTALOC SOLID 0+2 58  
6" PVC SOLVENT SCREEN 58 63  
NEVER USE ONLY

- \* (list reason for liner, type of upper and lower seals installed)  
23. Water from GRAY SAND at a depth of 14 ft. to 63 ft.  
a. static water level 10 ft. below casing which is 24 in. above ground  
b. pumping level is \_\_\_\_\_ ft. pumping \_\_\_\_\_ gpm for \_\_\_\_\_ hours  
24. Earth Materials Passed Through From (ft.) To (ft.)

CLAY DARK BROWN	0	5
CLAY GRAY, SILTY	5	14
SAND GRAY, FINE	14	63

(Continue on 2<sup>nd</sup> sheet, if necessary)  
(If DRY HOLE, fill out log & indicate how hole was sealed)

- Don Beckett  
25. Licensed Water Well Contractor Signature License Number 102-003910

Ex 6  
6 Reduction



White Copy -- Health  
 Ill. Dept. of Health  
 Yellow Copy -- Contractor  
 Blue Copy -- Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUEST AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, ST. OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
  - a. Cug. Bored. Hole Diam. in. Depth 63 ft.  
 Curb material. Buried Slab: Yes No
  - b. Driven. Drive Pipe Dia. in. Depth ft.
  - c. Drilled. Finished in Drift. In Rock.  
 Tubular. Gravel Packed.
  - d. Grout:

(KIND)	FROM (FT.)	TO (FT.)

2. Distance to Nearest:
 

Building	_____ Ft.	Seepage Tile Field	_____
Cust. Pool	_____	Sewer (non Cast iron)	_____
Privy	_____	Sewer (Cast iron)	_____
Septic Tank	_____	Barnyard	_____
Leaching Pit	_____	Manure Pile	_____
3. Is water from this well to be used for human consumption?  
 Yes No
4. Date well completed Nov 15
5. Permanent Pump Installed? Yes No  
 Manufacturer \_\_\_\_\_ Type \_\_\_\_\_  
 Capacity \_\_\_\_\_ gpm. Depth of setting \_\_\_\_\_ ft.
6. Well Top Sealed? Yes No
7. Pileless Adaptor Installed? Yes No
8. Well Disinfected? Yes No
9. Water Sample Submitted? Yes No

REMARKS:

IDPH 4.065  
 1-7-68

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner \_\_\_\_\_ Well No. \_\_\_\_\_  
 Address \_\_\_\_\_  
 Driller R. S. Drilling License No. \_\_\_\_\_
11. Permit No. 26727 Date Nov 27 1973
12. Water from Loose Sand 13. County De Calaw  
 at depth 12 to 63 ft. Sec. \_\_\_\_\_  
 14. Screen: Diam. 4 in. Typ. \_\_\_\_\_  
 Length: 5 ft. Slot \_\_\_\_\_ Rge. \_\_\_\_\_  
 Elev. \_\_\_\_\_


### 15. Casing and Liner Pipe

Diam (in.)	Kind and Weight	From (ft.)	To (ft.)
6 1/4	16	0	63

SHOW  
 LOCATION IN  
 SECTION PLAT  
 N E N W S E

16. Size Hole below casing: 6 1/4 in.
17. Static level 12 ft. below casing top which is \_\_\_\_\_ ft.  
 above ground level. Pumping level 15 ft. when pumping at 10  
 gpm for 12 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Overburden	12	12
Loose sand	51	63

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED \_\_\_\_\_ DATE 12/10/73

EX. 6  
 5 RED ACTIONS

Walker

[REDACTED]

Well Number..... No.1

Owned by..... [REDACTED]

Date drilled..... September 17, 1964

Drilled by..... Luhr Bros. Inc. Columbia, Illinois

Depth of hole..... 116.7 ft below ground surface.

Diameter of hole... 32 inches

Depth of well..... 116 ft below ground surface.

Casing..... 83 feet of 16-inch steel pipe. Top of casing extends 3 feet above ground surface.

Screen..... 36 feet of Doerr, 16-inch screen with bottom set at 116 feet below ground surface. Gravel-packed with Merramec gravel.

Location of well... [REDACTED]

Log of well..... As classified by the driller:  
0 to 15 feet. Clay  
15 to 20 feet. Fine sand, gray.  
20 to 25 feet. Coarse sand with 1/4" gravel.  
25 to 30 feet. Clay, silty, with Very coarse sand.  
30 to 35 feet. Sand with some clay.  
35 to 116.5 feet. Coarse sand with gray clay lens.

Pump..... Permanent pump has been installed. It is a Worthington turbine, powered by an Allis Chalmers, butane, engine. 67h  
The pump setting is as follows:  
40 feet of 8-inch column pipe.  
4 feet of 3stage, 12-inch bowl assembly.  
10 feet of 8-inch tail pipe.  
54 feet total length of pump setting.

Static level..... 16.77 feet (when drilled as reported by the driller)

Pumping level..... 28.87 feet (when drilled as reported by the driller)  
This level was after pumping at 1270 gpm but the length of time pump is not known.

Well used for..... [REDACTED] raises fish for bait and uses the well to supply water to two ponds, one is of 1 acre surface and the other is 2 1/2 acre surface.  
A water sample was collected January 22, 1966 for mineral, analysis. The sample expressed to State Water Survey Laboratory, Champaign, Illinois.

E. G. Jones

EX 6  
8 REVISIONS

Rec'd 12-15-01  
ESHO DK WELL CONSTRUCTION REPORT

Date 12-11-01

TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETION AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT

1. Date Well Completed 7-26-01
2. Use: ☐ Domestic ☒ Irrigation ☐ Commercial ☐ Livestock  
☐ Monitoring ☐ Other \_\_\_\_\_
3. Type of Well:

- a. Bored Well: Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Casing Diameter \_\_\_\_\_ in. Buried Slab: ☐ Yes ☐ No
- b. Driven Well: Drive Pipe Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.
- c. Drilled Well: Well Diameter 16" in. Depth 90 ft.  
Casing Diameter 16 in. Type PVC Joint \_\_\_\_\_

Casing Grout:

Oversized

Kind	Drill Hole(In)	From(ft)	To(ft)
<u>Bentonite</u>		<u>0</u>	<u>20</u>

Finished In: Unconsolidated ☐ Gravel Pack: ☒ Yes ☐ No  
Rock ☐ Grain Size \_\_\_\_\_

4. Well Disinfected? ☒ Yes ☐ No
5. Date Permanent Pump Installed \_\_\_\_\_
6. Licensed Pump Contractor \_\_\_\_\_  
License Number \_\_\_\_\_
7. Pitless Adapter Installed? ☐ Yes ☒ No  
Manufacturer \_\_\_\_\_ Model \_\_\_\_\_  
Attached to Casing - How? ☐ Screwed On ☐ Welded ☐ Compression
8. Type of Well Cap PVC
9. Tank Working Cycle \_\_\_\_\_ gallons Captive Air: ☐ Yes ☐ No
10. Pump and Equipment Disinfected? ☐ Yes ☐ No

General Comments: (If dry hole, fill out log & indicate how hole was sealed.)

2338688 /  
Illinois Department of Public Health  
Division of Environmental Health - 525 W. Jefferson  
Springfield, IL 62761

CO #. 29928

IMPORTANT NOTICE: This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number 163-529-02 01 Date Issued 7-26-01
12. Property Owner [REDACTED] Well # \_\_\_\_\_
13. Drilling Company Name Scates Valley INC.
14. Name of Person who drilled the well Bill Warth
15. Well Site Address [REDACTED]
16. Twnshp Name Canteen Land ID# 02-14-200-a
17. Subdivision Name .3p Lot \_\_\_\_\_ Elevation \_\_\_\_\_ ft.
18. Location: Cnty [REDACTED] Sect [REDACTED] Twnshp [REDACTED] Range [REDACTED]  
[REDACTED] Quarter of the [REDACTED] Quarter of the [REDACTED] Quarter
19. Casing and Liner Pipe:
- | Dia (In)  | Type       | From(ft) | To (ft)   |
|-----------|------------|----------|-----------|
| <u>16</u> | <u>PVC</u> | <u>0</u> | <u>90</u> |
|           |            |          |           |
|           |            |          |           |
20. Screen:  
Diameter 16 in.  
Length 20 ft.  
Slot Size 50  
Material PVC

21. Water from Sand & gravel at depth 35 ft. to 90 ft.
22. Static Level 14 ft. below casing top which is 12 in. above ground level.  
Pumping Level \_\_\_\_\_ ft. Pumping \_\_\_\_\_ gpm for \_\_\_\_\_ hours.

23. Earth Materials Passed Through	Depth Top(ft)	Depth Bottom(ft)
<u>Sandy loam</u>	<u>0</u>	<u>35</u>
<u>Sand &amp; gravel</u>	<u>35</u>	<u>90</u>

Continue on back of sheet if necessary

William W Warth  
Licensed Contractor Signature

092-007152  
License Number

EX. 6  
4 REDACTED

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

## Well Construction Report

E OR PRESS FIRMLY WITH BLACK INK PEN

Complete within 30 days of well completion and send to the appropriate health dept.

Date 10/04

## GEOLOGICAL &amp; WATER SURVEY WELL RECORD

13. Property Owner Don Beckett Well # 214. Driller Don Beckett License # 102 00391015. Name of Drilling Co. Kihen Concrete Products, Inc.16. Permit No. 529-01-2004 Date Issued 9/26/0417. Date Drilling Started 10/5/0418. Well SITE address [REDACTED]19. Township Name Canteen Land ID # 20. Subdivision Name  Lot # 21. Location: a. Country St Clairb. Township [REDACTED] Range [REDACTED] Section [REDACTED]c. [REDACTED] Quarter [REDACTED] Quarter [REDACTED] Quarter [REDACTED]d. coordinates:  Site Elevation  ft. (msl)

22. Casings, Liners\*, &amp; Screen Information

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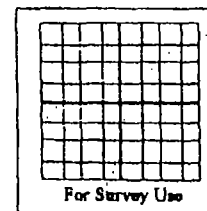
22. Casings, Liners\*, &amp; Screen Information

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22. Casings, Liners\*, &amp; Screen Information



(\*) (List reason for liner, type of upper and lower seals installed)

23. Water from sand & gravel at a depth of 15 ft. to: 100 ft.a. static water level 15 ft. below casing which is 24 in. above groundb. pumping level is  ft. pumping  gpm after pumping for  hours

24. Earth Materials Passed Through

24. Earth Materials Passed Through

24. Earth Materials Passed Through

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24. Earth Materials Passed Through

1. Type of Well: a. Driven Well: Casing diam.  in. Depth 102 ft.  
 b. Bored Well: Buried Slab ☐ Yes ☒ No  
 Hole Diameter  in. to  ft.;  in. to  ft.;  in. to  ft.  
 c. Drilled Well: PVC casing Formation packer set at depth of  ft.  
 Hole Diameter 17 1/2 in. to 100 ft.;  in. to  ft.;  in. to  ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)
bentonite	15		0	42	

- d. Drilled Well: Steel Casing - - - Mechanically Driven ☐ Yes ☐ No  
 Hole Diameter  in. to  ft.;  in. to  ft.;  in. to  ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)

- e. Well finished within: ☒ Unconsolidated Materials ☐ Bedrock

f. Kind of Gravel Sand Pack	Grain Size/Supplier #	From (ft.)	To (ft.)
#2 gravel pack		42	100

2. Well Use: ☐ Domestic ☒ Irrigation ☐ Commercial ☐ Livestock

- ☐ Monitoring ☐ Other

3. Date Well Completed: 10/7/04 Well Disinfected ☒ Yes ☐ No

- Driller's estimated well yield 400 gpm

4. Date Permanent Pump Installed:

5. Pump Capacity  gpm Set at (depth)  ft.

6. Pitless Adapter Model and Manufacturer:

7. Well Cap Type and Manufacturer:

8. Pressure Tank: Working Cycle  gals. Captive Air: ☐ Yes ☐ No

9. Pump System Disinfected: ☐ Yes ☐ No

10. Name of Pump Company:

11. Pump Installer:  License #

12.  License #

Licensed Pump Contractor Signature

Illinois Department of Public Health  
 Division of Environmental Health  
 525 W. Jefferson Street  
 Springfield, IL 62761

DO Not write on these lines

IMPORTANT NOTICE: This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS INFORMATION IS MANDATORY. This form has been approved by the Forms Management Center.

(If DRY HOLE, fill out log &amp; indicate how hole was sealed)

Clarence Johnson CS 102 000304

25. Licensed Water Well Contractor Signature License Number

EX. 6  
4 RED ACTIONS

STATE OF ILLINOIS  
DEPARTMENT OF REGISTRATION AND EDUCATION  
STATE WATER SURVEY DIVISION  
URBANA

T 2 W  
R 2 W

Use this Certificate for water whose original source is Well, Spring or Cistern

Sample of water from Town East St Louis County St. Clair County  
Report to be sent to [REDACTED]  
(Give name and address)  
Collected and sealed by Edw R. Rung  
Date, day and hour of collection Wed 19<sup>th</sup> Feb 1930 10:46 AM  
Shipped by Railway Express Company. Date and hour of shipment 2/19/30 11:10 AM  
Collected from Well  
(State whether it is from a Well, Spring, or Cistern, or from a Reservoir or Tap, original source being Well or Spring)  
Location [REDACTED]  
(Give Street and Number, or Section, Township Range, etc.)  
State proximity of privy none cesspool none stable none  
Feed lot none dumping grounds for slops, dish water, wash water, etc. none  
Is the drainage from all these places toward or from the Well, Spring or Cistern? From  
If there is any other possible source of pollution, state it none  
Has the water ever been considered unsafe? no Why? no  
If there have been any cases of typhoid fever among users of this water, state number of persons affected none  
Date of illness none number of deaths none  
What other diseases have been attributed to use of this water? none  
State general condition of health of those using water Good  
Well—State depth. 110 ft Is it dug, bored, driven or drilled? Sand Well  
State character and thickness of strata through which it is sunk 2 or 10 ft of Soil, Then Fine Sand - med Coarse Sand - Coarse Sand, Coarse Sand & gravel  
State character of strata from which water is drawn Coarse Sand & Gravel Is it a flowing well? No  
State approximate capacity and effect of dry or wet weather none  
With what is it walled or cased? Stl p How is the well covered? Sealed, top of well was tight  
If cemented or cased with iron pipe, state depth to which cement or casing extends Casing to approx 90 ft  
Spring.—What improvements has it?  
Character of stratum from which water issues  
Character of overlying strata  
Approximate capacity and effect of dry or wet weather  
Cistern.—What form of filter, if any, is used?  
Does the cistern leak? How long since last cleaned?  
Can small animals get into it at top? What care is taken in collecting and storing water?

Laboratory No. 6591f Received 2/20/30 19 EX 6  
M. 4 REDACTIONS

ILLINOIS STATE WATER SURVEY

Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City East St. Louis County Saint Clair

Name of owner [REDACTED]

Exact identification of well [REDACTED]

Exact location of well [REDACTED]

Sample collected on (date) Feb. 19, 1944 (time) 5:30 P.M.

after 2 hours pumping at 9 gal. per min.

Tap used for sample\*: at well, storage tank, distribution system

Depth of well        feet. Diameter 3 inches,

Cased to        feet. Screen from        feet to        feet

Where possible report also:

Log of well Driven

Date drilled Jan. 29, 1944 Well driller [REDACTED]

Major repairs None

Type of pump Meyers Multo. Stage

Hours or days in use per week 2 hr. per week

Non-pumping level 15 feet. Pumping level 16 feet

expressed as:\* Mean Sea level. Feet below top. Gage reading.

Sea level elevation of top of well [REDACTED]

Temperature of water 56° Sample collected by [REDACTED]

For office use: Analysis No. 99360

\*circle the correct designation.

EX. 6

8 REDACTIONS

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

*Bergman Taylor Seals*  
GEOLOGICAL AND WATER SURVEYS WELL RECORD

### 1. Type of Well

- a. Bored \_\_\_\_\_ Hole Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft  
Buried Slab: Yes \_\_\_\_\_ No \_\_\_\_\_  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft  
c. Drilled X Finished in Drift \_\_\_\_\_ In Rock X

#### d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cuttings & Bentonite Mud	0	103

2. Well furnishes water for human consumption? Yes X No \_\_\_\_\_  
3. Date well drilled 7-19-91  
4. Permanent pump installed? Yes X Date 10-16-91 No \_\_\_\_\_  
Manufacturer Sta-Rite Type Subm.  
Location In well  
Capacity 200 gpm. Depth of setting 73 ft.  
5. Well top sealed? Yes X No \_\_\_\_\_ Type Williams B69ACV  
6. Pitless adapter installed? Yes X No \_\_\_\_\_  
Manufacturer Williams Model No. B69ACV  
How attached to casing? bolted  
7. Well disinfected? Yes X No \_\_\_\_\_  
8. Pump and equipment disinfected Yes X No \_\_\_\_\_

### IMPORTANT NOTICE

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

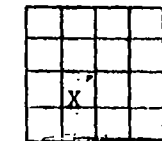
Do Not Use Felt Pen

1L4B2-0126

*Perm 90-20584*  
*Schwartz, KEG General Corp*

9. Driller St. Charles Drilling License No. 102-002979  
10. Well Site Address Box 317 St. Jacob, Ill. 62281  
11. Property Owner Bergman/Taylor Con. Well No. 7  
12. Permit No. 020584 Date Issued 6-24-91  
13. Location: \_\_\_\_\_ County St. Clair  
R270 to R255 TR to R64. TL to Sec. 7Sd  
Hwy 157 (Ill.) TL go past Twp. 2N  
Bunkers Rd. to Forest TL to Rge. 9W  
junction of Black Lane.

14. Water from <u>Sand-gravel</u> at depth <u>35</u> ft		to <u>111</u> ft	
Diam. (in)	Kind and Weight	From (ft)	To (ft)
8 5/8"	Steel	0	103
	1-8' screen	103	111



Show location  
in section  
plat

*NE NESW*

*IRR*

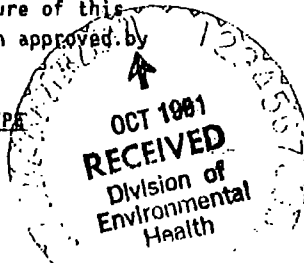
*#4*

16. Screen: Diam. 8" in, Length 8 Ft, Slot Size 3/32  
17. Size hole below casing 8 in. 18. Ground Elev. 400 ft msl.  
19. Static level \_\_\_\_\_ ft below casing top which is 1 ft. above  
ground level. Pumping level \_\_\_\_\_ ft, pumping 400 gpm for 1/2 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Clay	0	35
Sand-Gravel	35	111

Continue on separate sheet if necessary.

Signed *AT Miller* Date 10-29-91



HOUSEHOLD SUPPLY  
WELL No. 1  
City [REDACTED] County Madison  
Section [REDACTED] Twp. No. [REDACTED] Range [REDACTED]  
Location (in feet from section corner) [REDACTED]  
Owner [REDACTED] Authority —  
Contractor — Address —  
Date drilled — Elev. above sea level top of well —  
Depth 30'  
Log —

Were drill cuttings saved — Where filed —  
Size hole — If reduced, where and how much —  
Casing record —

Distance to water when not pumping — Distance to water is —  
feet after pumping at — G. P. M. for — hours.  
Reference point for above measurements —

Type of pump Hand Distance to cylinder —  
Length of cylinder — Length of suction pipe below cylinder —  
Length stroke — Speed —

Hours used per day — Type of power —  
Rating of motor — Rating of pump in G. P. M. —

Can following be measured: (1) Static water level —  
(2) Pumping level — (3) Discharge —  
(4) Influence on other wells —

Temperature of water 54°F Was water sample collected yes  
Date 9/22/60 Effect of water on meters, hot water  
coils, etc. —

Date of Analysis — Analysis No. 152210

Recorder R. J. L. L.  
Date 9/22/60



MAD3N9W-32.6g.

October 11, 1960

PARTIAL CHEMICAL ANALYSIS

Sample of water collected September 22, 1960 from Well No. 1  
owned by [REDACTED] near East St. Louis, Illinois in  
Madison County. Location of well: [REDACTED]  
[REDACTED] Depth of well: 30 feet.

LABORATORY NO. 153310

	<u>ppm.</u>	<u>epm.</u>		<u>ppm.</u>	<u>epm.</u>
Iron(total) Fe	1.5		Chloride Cl	22.	.62
			Nitrate NO <sub>3</sub>	0.7	.01
			Sulfate SO <sub>4</sub>	162.1	3.37
			Alkalinity (as CaCO <sub>3</sub> )	336.	6.72
Turbidity	9		Hardness (as CaCO <sub>3</sub> )	510.	10.20
Color	0				
Odor	0				
Temp.(reported)	54°F		Total Dissolved Minerals	613.	

ppm. = parts per million  
epm. = equivalents per million  
ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

Laurel M. Hanley  
Associate Chemist

LMH/kmb

EX. 6  
3 REDUCTIONS

WELL NO. 2  
HOUSEHOLD SUPPLY 18  
City [REDACTED] County Madison  
Section [REDACTED] Twp. No. [REDACTED] Range [REDACTED]  
Location (in feet from section corner) NW 1/4  
Owner [REDACTED] Authority [REDACTED]  
Contractor [REDACTED] Address [REDACTED]  
Date drilled [REDACTED] Elev. above sea level top of well [REDACTED]  
Depth 30'  
Log [REDACTED]  
Were drill cuttings saved [REDACTED] Where filed [REDACTED]  
Size hole [REDACTED] If reduced, where and how much [REDACTED]  
Casing record [REDACTED]  
Distance to water when not pumping [REDACTED] Distance to water is [REDACTED]  
feet after pumping at [REDACTED] G. P. M. for [REDACTED] hours  
Reference point for above measurements [REDACTED]  
Type of pump Hand Distance to cylinder [REDACTED]  
Length of cylinder [REDACTED] Length of suction pipe below cylinder [REDACTED]  
Length stroke [REDACTED] Speed [REDACTED]  
Hours used per day [REDACTED] Type of power [REDACTED]  
Rating of motor [REDACTED] Rating of pump in G. P. M. [REDACTED]  
Can following be measured: (1) Static water level [REDACTED]  
(2) Pumping level [REDACTED] (3) Discharge [REDACTED]  
(4) Influence on other wells [REDACTED]  
Temperature of water 54°F Was water sample collected YES  
Date 9/22/60 Effect of water on meters, hot water  
coils, etc. [REDACTED]  
Date of Analysis [REDACTED] Analysis No. 153311  
Recorder R. J. [REDACTED]  
Date 9/22/60

MAD3N9W-32.6g2

October 11, 1960

PARTIAL CHEMICAL ANALYSIS

Sample of water collected September 22, 1960 from Well No. 2  
owned by ~~██████████~~ near East. St. Louis, Illinois in  
Madison County. Location of well: ~~██~~  
~~██████~~ Depth of well: 30 feet.

LABORATORY NO. 153311

	<u>ppm.</u>	<u>epm.</u>			<u>ppm.</u>	<u>epm.</u>
Iron(total) Fe	1.3		Chloride	Cl	6.	.17
			Nitrate	NO <sub>3</sub>	0.7	.01
			Sulfate	SO <sub>4</sub>	118.5	2.47
			Alkalinity	(as CaCO <sub>3</sub> )	276.	5.52
Turbidity	24		Hardness	(as CaCO <sub>3</sub> )	394.	7.88
Color	0					
Odor	0					
Temp.(reported)	54°F		Total Dissolved Minerals		465.	

ppm. = parts per million  
epm. = equivalents per million  
ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

Laurel M. Henley  
Associate Chemist

EX. 6  
3 REDUCTIONS

LME/kmb



White -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug \_\_\_\_ Bored \_\_\_\_ Hole Diam. \_\_\_\_ in. Depth \_\_\_\_ ft.  
Curb material \_\_\_\_ Buried Slab: Yes \_\_\_\_ No \_\_\_\_
- b. Driven \_\_\_\_ Drive Pipe Diam. \_\_\_\_ in. Depth \_\_\_\_ ft.
- c. Drilled X Finished in Drift X In Rock \_\_\_\_  
Tubular \_\_\_\_ Gravel Packed X
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Ready mix	0	30

### 2. Distance to Nearest:

- Building \_\_\_\_ Ft. Seepage Tile Field \_\_\_\_
- Cess Pool \_\_\_\_ Sewer (non Cast iron) \_\_\_\_
- Privy \_\_\_\_ Sewer (Cast iron) \_\_\_\_
- Septic Tank \_\_\_\_ Barnyard \_\_\_\_
- Leaching Pit \_\_\_\_ Manure Pile \_\_\_\_

3. Well furnishes water for human consumption? Yes \_\_\_\_ No X
4. Date well completed Nov. 1983
5. Permanent Pump Installed? Yes \_\_\_\_ Date 11/23/83 No \_\_\_\_  
Manufacturer Layne Type Trbn Location \_\_\_\_  
Capacity 1500 gpm. Depth of Setting 60 Ft.
6. Well Top Sealed? Yes X No \_\_\_\_ Type cement
7. Pitless Adapter Installed? Yes \_\_\_\_ No X  
Manufacturer \_\_\_\_ Model Number \_\_\_\_  
How attached to casing? \_\_\_\_
8. Well Disinfected? Yes X No \_\_\_\_
9. Pump and Equipment Disinfected? Yes X No \_\_\_\_
10. Pressure Tank Size \_\_\_\_ gal. Type \_\_\_\_  
Location \_\_\_\_
11. Water Sample Submitted? Yes \_\_\_\_ No X

REMARKS:

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Pfizer, Inc. Well No. 15  
Address East St. Louis, Illinois  
Driller John Ruester License No. 102-002045
11. Permit No. 109867 Date 10/7/83
12. Water from Alluvial Formation 13. County St. Clair  
at depth 80 to 115 ft. Sec. 8.7a
14. Screen: Diam. 18 in. Twp. 2N  
Length: 35 ft. Slot # 6 Rge. 9W  
Elev. \_\_\_\_


### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
18	stainless	+2	80
48	Carbon stl 0.375	0	30

SHOW LOCATION IN SECTION PLAT  
400'N-1250'E  
SW/4  
undisturbed

16. Size Hole below casing: 54 in.
17. Static level 30 ft. below casing top which is 2 ft. above ground level. Pumping level 43.6 ft. when pumping at 1500 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Cinders	1	1
Rubble fill	5	6
Gray clay & brown clay	6	12
Fine brown sand	14	26
Gray fine to medium sand	49	75
Gray med. to coarse sand & grvl	15	90
Gray coarse sand & boulders	25.5	115.5
Shale	1	116.5

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED \_\_\_\_\_ DATE 2/6/84

4135211

White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

Now Elements Pigment

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug \_\_\_\_\_ Bored \_\_\_\_\_ Hole Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Curb material \_\_\_\_\_ Buried Slab: Yes \_\_\_\_\_ No \_\_\_\_\_  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
c. Drilled ☒ Finished in Drift ☒ In Rock \_\_\_\_\_  
Tubular \_\_\_\_\_ Gravel Packed ☒ Reverse Rotary \_\_\_\_\_  
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Redi-mix	3	20
Concrete		

### 2. Distance to Nearest:

Building \_\_\_\_\_ 25 \_\_\_\_\_ Ft. Seepage Tile Field \_\_\_\_\_  
Cess Pool \_\_\_\_\_ Sewer (non Cast iron) \_\_\_\_\_  
Privy \_\_\_\_\_ Sewer (Cast iron) \_\_\_\_\_  
Septic Tank \_\_\_\_\_ Barnyard \_\_\_\_\_  
Leaching Pit \_\_\_\_\_ Manure Pile \_\_\_\_\_

### 3. Is water from this well to be used for human consumption?

Yes \_\_\_\_\_ No ☒

### 4. Date well completed 8/14/72

5. Permanent Pump Installed? Yes ☒ No \_\_\_\_\_  
Manufacturer Layne Bowler Type Vertical Turbine  
Capacity 1200 gpm. Depth of setting 60 ft.

6. Well Top Sealed? Yes ☒ No \_\_\_\_\_

7. Pitless Adaptor Installed? Yes \_\_\_\_\_ No \_\_\_\_\_

8. Well Disinfected? Yes ☒ No \_\_\_\_\_

9. Water Sample Submitted? Yes \_\_\_\_\_ No ☒

REMARKS:

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Pfizer, Inc. Well No. 13  
Address 2001 Lynch Avenue, E. St. Louis, Ill.

Driller Layne-Western Co., Inc. License No. 92-189

11. Permit No. NF16352 Date 8/31/72

12. Water from S & G Formation 13. County St. Clair

at depth 68 to 114 ft. Sec. 8 7/8

14. Screen: Diam. 18 in. Twp. 2N

Length: 30 ft. Slot # 6 Rge. 9W

Elev. \_\_\_\_\_

### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
42	Steel 3/8"	0	20
18	Steel Stainless	0	85
	# 7 gauge		

SHOW  
LOCATION IN  
SECTION PLAT

400' N. 400' E. 500'

16. Size Hole below casing: 42 in.

17. Static level 25 1/2 ft. below casing top which is 1 1/2 ft. above ground level. Pumping level 37 1/2 when pumping at 1641 gpm for 2 hours. on test

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
0 - 3 Fill	3	3
3 - 15 Clay	12	15
15 - 68 Fine sand	53	68
68 - 114 Coarse sand gravel		
& boulders	46	114
114 - 115 Fine sand	1	115

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Layne-Western Co., Inc. DATE 2/20/73

L. M. Heckman

November 27, 1972

# PARTIAL ANALYSIS

Sample of water collected October 9, 1972 from Well No. 1 owned by F. S. Service near East St. Louis, Illinois in St. Clair County. Location of well: ~~280'S, 1200'W~~ of the NE corner of Sec. 3, 2p-T2N-R5W. Depth of well: 100 feet. ~~800~~ 1300

LABORATORY NO. 190256

	mg/l	mc/l			mg/l	mc/l
Iron(total) Fe	2.6		Fluoride	F	0.2	
Manganese Mn	.33		Nitrate	NO <sub>3</sub>	51.8	.51
			Chloride	Cl <sup>-</sup>	106.	2.99
			Sulfate	SO <sub>4</sub>	190.3	3.96
			Alkalinity	(as CaCO <sub>3</sub> )	232.	4.64
Turbidity	14		Hardness	(as CaCO <sub>3</sub> )	400.	8.00
Color	0					
Odor	0					
Temp.(reported)	55.0°F.		Total Dissolved Minerals		700.	

mg/l = milligrams per liter  
mc/l = milliequivalents per liter  
mg/l x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

Laurel M. Henley  
Associate Chemist

LWH/sp

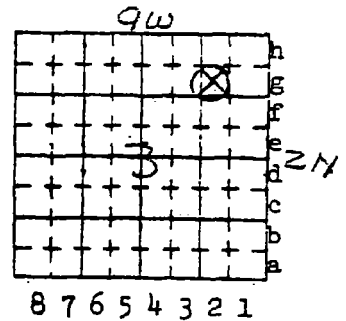
0135721

190250

## WELL INVENTORY SCHEDULE

Well No. 57C 2N10W-3.22  
Owner's No. 1

Location Rear of lot County H. Clark  
 Section 3.22 Twp. No. 2N Range 9W  
 Feet from Sec. Cor. 800 S, 1300 W of NE corner  
 Owner E.S. Thomas Address Collinsville Rd.  
 Driller W. J. Thomas Address \_\_\_\_\_  
 Date drilled 1973 Method \_\_\_\_\_  
 Depth 100' Hole record 10"



Casing record 8-20' black casing  
 Screen record 80-100' Johnson screen

Log see back Drill cuttings \_\_\_\_\_ Sample set no. \_\_\_\_\_

Chief aquifer sand & gravel from \_\_\_\_\_ to \_\_\_\_\_ Other aquifer \_\_\_\_\_

Land surface elev. 410' - 1st rd Topography flat bottom land

Nonpumping level \_\_\_\_\_ above \_\_\_\_\_ below measuring point on \_\_\_\_\_ at \_\_\_\_\_ AM  
 (date) PM

Pumping level \_\_\_\_\_ above \_\_\_\_\_ below measuring point after pumping at \_\_\_\_\_ AM  
 \_\_\_\_\_ gpm for \_\_\_\_\_ hours on \_\_\_\_\_ at \_\_\_\_\_ PM  
 (date)

Measuring point (MP) for above measurements \_\_\_\_\_

Airline and measuring equipment \_\_\_\_\_

Pump and power \_\_\_\_\_

Use of water \_\_\_\_\_

Water quality \_\_\_\_\_

Analysis No. and date \_\_\_\_\_ Temp. 55.0°F

Data collected by S.E. B. Thomas Date 10-9-72

Source of information see file

Can well be used in pumping test? \_\_\_\_\_ Are nearby observation

wells available? \_\_\_\_\_ Are pumping records available? \_\_\_\_\_

Are water level records available? \_\_\_\_\_

Remarks:

P1350



City \_\_\_\_\_ County St. Clair

Section 3.3g Twp. No. 2 N Range 9 W

Location (in feet from section corner) \_\_\_\_\_

Owner J. L. Farm Supply Authority \_\_\_\_\_

Contractor L. L. Watson (Mell & Fox) Address \_\_\_\_\_

Date drilled April 1948 Elev. above sea level top of well 421

Depth 110

Log Pleistocene crs bedrock at about 120 ft

Were drill cuttings saved \_\_\_\_\_ Where filed \_\_\_\_\_

Size hole \_\_\_\_\_ If reduced, where and how much \_\_\_\_\_

Casing record 2 1/3' Screen 10" #40 openings Johnson

Distance to water when not pumping 12 Distance to water is \_\_\_\_\_

feet after pumping at \_\_\_\_\_ G. P. M. for \_\_\_\_\_ hours.

Reference point for above measurements \_\_\_\_\_

Type of pump \_\_\_\_\_ Distance to cylinder \_\_\_\_\_

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Length stroke \_\_\_\_\_ Speed \_\_\_\_\_

Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_

Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level \_\_\_\_\_

(2) Pumping level \_\_\_\_\_ (3) Discharge \_\_\_\_\_

(4) Influence on other wells \_\_\_\_\_

Temperature of water 58.7 Was water sample collected \_\_\_\_\_

Date \_\_\_\_\_ Effect of water on meters, hot water coils, etc. \_\_\_\_\_

Date of Analysis \_\_\_\_\_ Analysis No. \_\_\_\_\_

Recorder J. P. Dow

Date 9-29-58

Well at new factory located on south side of U.S. Route 40 on  
A. & S. Railroad.

City Collinsville Ill. Box 511 County Madison

Section 3 Twp. No. 2 N. Range 9 W.

Approx. 1200 ft. W. and 200 ft. S. of the N.E. corner of Section 3,  
Location (in feet from section corner) T. 2 N., R. 9 W.

Owner Illinois Farm Supply Co. Authority \_\_\_\_\_

Contractor H.L. Watson Well Drilling Co. Address 1101 Mo. Ave, East St. Louis  
Ill.

Date drilled April 23, 1943 Elev. above sea level top of well 120 ± ft. MSL  
(from topog Map)

Depth 100 ft. 90' to 95' F - Fine sand & gravel.

Log 1' to 12' - Clay, Gumbo. 95' to 100' - Coarse sand & gravel.

12' " 30' - Fine Sand. 60' to 65' Fine sand and gravel

30' " 45' - Medium sand 70' " 80' Medium sand.

45' " 60' - Medium and coarse. 80 " 85' coarse sand & gravel

85' " 90' - Fine sand & gravel

Were drill cuttings saved \_\_\_\_\_ Where filed \_\_\_\_\_

Size hole L 10" If reduced, where and how much 10" full Depth.

Casing record 80' of Standard Black casing. - 20' Johnson Well Screen.

Distance to water when not pumping 12' Distance to water is 13 1/2 ft.

feet after pumping at 500 G. P. M. for 2 hours.

Reference point for above measurements Ground Surface.

Type of pump turbine (test pump.) Distance to cylinder \_\_\_\_\_

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Length stroke Permanent equipment will be installed later.

Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_

Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level \_\_\_\_\_

(2) Pumping level \_\_\_\_\_ (3) Discharge \_\_\_\_\_

(4) Influence on other wells \_\_\_\_\_

Temperature of water 60° F.

Sample collected  
by Mr. H.L. Watson  
Well Driller.

Date November 24, 1943

Effect of water on meters, hot water

coils, etc. \_\_\_\_\_

Date of Analysis \_\_\_\_\_ Analysis No. \_\_\_\_\_

Please send copy 3 copies of analysis of sample

to Mr. Harold L. Watson,

1101 Mo. Avenue, East St. Louis, Ill

2807-22617 12

Recorder \_\_\_\_\_  
Date \_\_\_\_\_

E.C. Jones, Field Engineer, S.W.S.

413574

Sample was broken in front  
to obtain  
12' to 15'

ST CLAIR

County Madison

Section 3 Twp. No. 2N Range 3W

Owner Illinois Farm Supply Co. Authority Mr. Harold Watson

Date drilled April 28, 1948 Elev. above sea level top of well 430 ft. MSI

Depth 100 ft.

Were drill cuttings saved \_\_\_\_\_ Where filed 95 to 100- Coarse sand & gravel

Size hole 10" If reduced, where and how much 10" full depth

Casing record 80 ft of Standard black casing - 20 ft. Johnson Well screen

Distance to water when not pumping 12' Distance to water is 13 1/2 ft.

feet after pumping at 500 G. P. M. for 2 hours.

Reference point for above measurements \_\_\_\_\_ Ground surface \_\_\_\_\_

Type of pump Turbine (test pump) Distance to cylinder                     

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Permanent equipment will be installed later.

Length stroke \_\_\_\_\_ Speed \_\_\_\_\_

Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_

Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level\_\_\_\_\_

(2) Pumping level \_\_\_\_\_ (3) Discharge \_\_\_\_\_

(4) Influence on other wells \_\_\_\_\_

Sample collected by

Temperature of water 60° F. Was water sample collected Mr. Harold Watson

Date Nov. 24, 1948 Effect of water on meters hot water

coils, etc.

Date of Analysis \_\_\_\_\_ Analysis No. 116702

Please send 3 copies of analysis of sample to

Date \_\_\_\_\_

7-1-50

## STATE OF ILLINOIS

DEPARTMENT OF  
REGISTRATION AND EDUCATIONRONALD E. STACKLER  
DIRECTOR, SPRINGFIELDBOARD OF  
NATURAL RESOURCES  
AND CONSERVATION

RONALD E. STACKLER, CHAIRMAN

BIOLOGY ..... THOMAS PARK

CHEMISTRY ..... H. S. GUTOWSKY

ENGINEERING ..... ROBERT H. ANDERSON

FORESTRY ..... CHARLES E. OLMSTED

GEOLOGY ..... LAURENCE L. SLOSS

SOUTHERN ILLINOIS UNIVERSITY ..... ELBERT H. MADLEY

UNIVERSITY OF ILLINOIS ..... WILLIAM L. EVERITT

## Illinois State Water Survey

WATER RESOURCES BUILDING • MAIL: BOX 232, URBANA, ILLINOIS 61801 • AREA CODE 217  
605 E. SPRINGFIELD, CHAMPAIGN PHONE 333-2210

WILLIAM C. ACKERMANN, CHIEF

## LOG OF WATER WELL

Property owner

*Heiderer Dairy 4615 Caseyville Ave.*

Well No.

Drilled by

*H.L. Watson - (Graves)*

Year

*Nov. 1946*

Formations passed through	Thick- ness	Depth of Bottom
<i>Grumbo</i>	<i>23</i>	<i>23</i>
<i>Water mud</i>	<i>12</i>	<i>35</i>
<i>Fine sand</i>	<i>3</i>	<i>38</i>
<i>Med sand + gravel</i>	<i>17</i>	<i>55</i>
<i>Hard fine sand</i>	<i>2</i>	<i>57</i>
<i>Good sand + gravel</i>	<i>17</i>	<i>74</i>
<i>No log</i>	<i>24</i>	<i>98</i>
<i>TD = 98'</i>		

[Continue on back if necessary]

Finished in \_\_\_\_\_ at \_\_\_\_\_ to \_\_\_\_\_ ft.

Cased with \_\_\_\_\_ inch \_\_\_\_\_ from 0 to \_\_\_\_\_ ft.

and \_\_\_\_\_ inch \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size hole below casing \_\_\_\_\_ inch. Static level from surf. \_\_\_\_\_ ft.

Tested capacity \_\_\_\_\_ gal. per min. Temperature \_\_\_\_\_ °F.

Water lowered to \_\_\_\_\_ ft. in \_\_\_\_\_ hrs. \_\_\_\_\_ min.

Length of test \_\_\_\_\_ hrs. \_\_\_\_\_ min. Screen \_\_\_\_\_

Slot *30* Diam. *8"* Length *10'* Bottom set at \_\_\_\_\_ ft.

[Show location in Section Plat]

Township name \_\_\_\_\_ Elev. \_\_\_\_\_

Description of location \_\_\_\_\_


Sec. *9*Twp. *2N*Rge. *9a*

Signed \_\_\_\_\_ County \_\_\_\_\_

Copy for Illinois State Water Survey

Index:

ILLINOIS STATE WATER SURVEY

Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:

City E. St. Louis County St. Clair

Name of owner Niederer Dairy

Exact identification of well old well

Exact location of well 150' N 1180' E of SW Cor.  
Sec 9 T2N R9W

Sample collected on (date) 3-31-43 at (time) 140

after 6 hours pumping at 2500 gal. per min. ~~hr~~ w.

Tap used for sample\*: at well, storage tank, distribution system

Depth of well <sup>96</sup>~~100~~ feet. Diameter 2" inches,

Cased to 93' feet. Screen from 92½ feet to 96 feet

Where possible report also:

Log of well \_\_\_\_\_

Date drilled 1937 Well driller Watson

Major repairs None

Type of pump Fairbank Morse

Hours or days in use per week 12 hrs 7 days

Non-pumping level        feet. Pumping level        feet

expressed as: \* Mean Sea level. Feet below top. Gage reading.

Sea level elevation of top of well       

Temperature of water        Sample collected by Watson

For office use: Analysis No. 95771

\*circle the correct designation.

October 11, 1944

SHORT PARTIAL ANALYSIS

STC 2N9W-3.8h

Sample of water collected from well owned by the  
Quickheat Oil Co., East St. Louis, Illinois. Location  
of well: 8001 Collinsville Road. Depth of well: 82'.  
NW. corner, Section 3, T. 2 N., R. 9 W.

LABORATORY NO. 101,412

Determinations Made

		Pts. per Million
Turbidity		100
Color		0
Odor		Tr.
Iron	Fe	
(unfiltered)		7.8
Sulfate	SO <sub>4</sub>	33.9
Chloride	Cl	3.0
Alkalinity	(as CaCO <sub>3</sub> )	
Phenolphthalein		0.
Methyl Orange		296.
Total Hardness (as CaCO <sub>3</sub> )		326.
Total Mineral Content		352.

Temperature 55° F.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

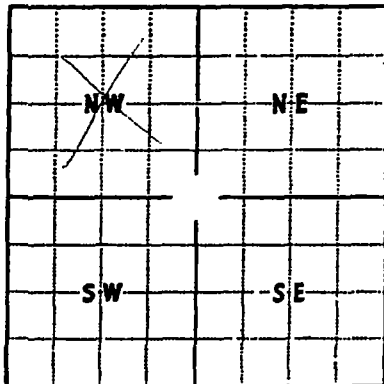
TEL: 45

P135228

STATE OF ILLINOIS

County of Macoupinss. **WATER WELL PLUGGING AFFIDAVIT**William T. Newman and

Paul C. Caltry being first duly sworn, do depose and say the following is a true and correct statement of the details of the plugging of a certain well drilled for water and located as follows:



Locate well accurately on plat of section  
(Scale one inch=3,000 ft.)

Location in section NW 1/4Section 4 Township 9W Range 2ECounty St. ClairWell name and number S.C.A. #1Year drilled 1984Reason for plugging AbandonedTotal depth 58' Formation No record

How was depth determined? As reported

As measured XDiameter of well at land surface 36' inchesWas well clear of obstructions to bottom before plugging? Yes

Depth of obstruction \_\_\_\_\_ Nature of obstruction \_\_\_\_\_

Drilling permit No. and date, if known No recordPermit issued to S.C.A. ServicesKind of drilling tools used Rotary Date plugging completed July 15, 1987Property owner S.C.A. Services Address 1838 E. Broadway, St. Louis, MODrilling contractor MO Drilling Co. Address St. Louis, MO**DETAILS OF PLUGGING**

Filled with <u>Sand</u>	From <u>58'</u>	To <u>20</u>	feet
(Cement or other Materials)			
Kind of plug <u>Cement</u>	From <u>20'</u>	To <u>0</u>	feet
Filled with _____	From _____	To _____	feet
Kind of plug <u>No rat hole</u>	From _____	To _____	feet
Filled with _____	From _____	To _____	feet
Kind of plug _____	From _____	To _____	feet

**CASING RECORD**

Diameter (In.)	IN WELL		PULLED OUT		REMARKS
	From (Ft.)	To (Ft.)	From (Ft.)	To (Ft.)	
12"	58'		58'		

**Waste Management of Illinois**

(Signature of person, firm or corporation having custody or control of well.)

Per Paul C. CaltryAddress P.O. Box 637 East St. Louis, Illinois

(Signature of Well Inspector supervising plugging of well.)

Address R.R. 1 Box 199B Gillespie, IllinoisSubscribed and sworn to before me this 15 day of July A.D. 1987My commission expires Sept. 1987

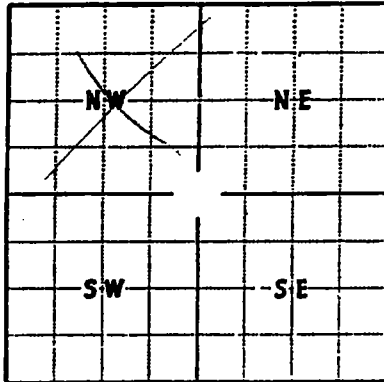
Golinda Newman  
Notary Public

1135236

STATE OF ILLINOIS

County of Macoupinss. **WATER WELL PLUGGING AFFIDAVIT**William T. Newman andPaul C. Caltry

being first duly sworn, do depose and say the following is a true and correct statement of the details of the plugging of a certain well drilled for water and located as follows:



Locate well accurately on plot of section  
(Scale one inch=2,000 ft.)

Location in section NW 1/4  
 Section 4 Township 9W Range 2N  
 County St. Clair  
 Well name and number S.C.A. #2  
 Year drilled 1984  
 Reason for plugging Abandoned  
 Total depth Formation  
 How was depth determined? As reported  
As measured X  
 Diameter of well at land surface 36 inches  
 Was well clear of obstructions to bottom before plugging? Yes  
 Depth of obstruction                      Nature of obstruction                     

Drilling permit No. and date, if known No recordPermit issued to S.C.A. ServicesKind of drilling tools used Rotary Date plugging completed July 16, 1987Property owner S.C.A. Services Address 1838 N. Broadway St. Louis, MODrilling contractor MO Drilling Co. Address St. Louis, MO**DETAILS OF PLUGGING**

Filled with <u>Sand</u>	From <u>58'</u>	To <u>20</u>	feet
(Cement or other Materials)			
Kind of plug <u>Cement</u>	From <u>20'</u>	To <u>0</u>	feet
Filled with <u>                    </u>	From <u>                    </u>	To <u>                    </u>	feet
Kind of plug <u>No rat hole</u>	From <u>                    </u>	To <u>                    </u>	feet
Filled with <u>                    </u>	From <u>                    </u>	To <u>                    </u>	feet
Kind of plug <u>                    </u>	From <u>                    </u>	To <u>                    </u>	feet

**CASING RECORD**

Diameter (In.)	IN WELL		PULLED OUT		REMARKS
	From (Ft.)	To (Ft.)	From (Ft.)	To (Ft.)	
12"	58		58		

**Waft Management of Illinois**

(Signature of person, firm or corporation having custody or control of well.)

Per Paul C. CaltryAddress P.O. Box 637 East. St. Louis, IllinoisWilliam T. Newman

(Signature of Well Inspector supervising plugging of well.)

Address R.R. 1 Box 199B Gillespie, IllinoisSubscribed and sworn to before me this 16 day of July A.D. 1987My commission expires Sept. 1987

Gordon Newman  
 Notary Public

A13523



County of Macoupin

**ss. WATER WELL PLUGGING AFFIDAVIT**

William T. Newman and

Paul C. Caltry, being first duly sworn, do depose and say the following is a true and correct statement of the details of the plugging of a certain well drilled for water and located as follows:

Lecanites well represented on plat of section  
(Scale mm inch—1.000 ft.)

Location in section NW 1  
Section 4 Township 9N Range 2N  
County St. Clair  
Well name and number S.C.A. #3  
Year drilled 1984  
Reason for plugging Abandoned  
Total depth 58' Formation No record  
How was depth determined? As reported  
As measured X  
Diameter of well at land surface 36' inches  
Was well clear of obstructions to bottom before plugging? Yes  
Depth of obstruction \_\_\_\_\_ Nature of obstruction \_\_\_\_\_

Address St. Louis, MO

Filled with	Sand	From	58'	To	20	feet
	(Content or other Materials)					
Kind of plug	Cement	From	20'	To	0	feet
Filled with		From		To		feet
Kind of plug	No rat hole	From		To		feet
Filled with		From		To		feet
Kind of plug		From		To		feet

Diameter (In.)	IN WELL		PULLED OUT		REMARKS
	From (Ft.)	To (Ft.)	From (Ft.)	To (Ft.)	
12"	58'		58'		

Waste Management of Illinois  
(Signature of person, firm or corporation having custody or control of well.)

Per.

Address P.O. Box 637 East St. Louis, Illinois

(Signature of Well Inspector supervising plugging of well.)

Address R.R. 1 Box 199B Gillespie, Illinois

Subscribed and sworn to before me this 16 day of July A.D. 19 87

My commission expires Sept. 1987

**Notary Public**

913523

May 8, 1943

SHORT PARTIAL ANALYSIS

STC 2N9W-10.69

Sample of water collected March 16, 1943 from well owned by the Walworth Co., East St. Louis, Illinois. Well No. 1. Depth of well: 122'. 200 g.p.m. after 24 hours pumping. NW 1/4 Sec. 10 T. 2 N., R. 9 W.

LABORATORY NO. 95493

Determinations made

	Pts. per million
Turbidity	100
Color	30
Odor	0
Iron	
(filtered)	0.0
(unfiltered)	7.1
Chloride	4.0
Alkalinity (as $\text{CaCO}_3$ )	
Phenolphthalein	0.0
Methyl Orange	378.0
Total Hardness (as $\text{CaCO}_3$ )	284.35
Total Mineral Content	391.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL:AB

May 4, 1943

SHORT PARTIAL ANALYSIS

STC 2N9W-10.8h

Sample of water collected March 19, 1943 from well owned by the Walworth Co., East St. Louis, Illinois. Well No. 2 Location of well: in yard. Depth: 124 feet. 200 g.p.m. after 24 hours pumping. Location: NW 1/4 Sec. 10, T. 2 N., R. 9 W.

LABORATORY NO. 95492

Determinations made

	Pts. per million
Turbidity	90
Color	100
Odor	0
Iron Fe	
(filtered)	0.0
(unfiltered)	3.8
Chloride Cl	5.0
Alkalinity (as CaCO <sub>3</sub> )	
Phenolphthalein	0.0
Methyl Orange	332.0
Total Hardness (as CaCO <sub>3</sub> )	360.
Total Mineral Content	414.

STATE WATER SURVEY DIVISION

T. E. Larsen, Chemist

TEL:AB

City \_\_\_\_\_ County St. Clair

Section 8 Twp. No. 2 N Range 9 W

Location (in feet from section corner) South of Boiler House

Owner C. K. Williams & Co. Authority \_\_\_\_\_

Contractor \_\_\_\_\_ Address \_\_\_\_\_

Date drilled 5 - 1952 Elev. above sea level top of well \_\_\_\_\_

Depth 116.5

Log Pleistocene 0-116.5

Water 20-116.5

Were drill cuttings saved \_\_\_\_\_ Where filed 48 Tons of  $\frac{3}{16}$  -  $\frac{3}{8}$  gravel pack  
in 48" hole 80-116.5

Size hole \_\_\_\_\_ If reduced, where and how much \_\_\_\_\_

Casing record 30" 0-23 18" 0-86 30' of 18" screen #3

Distance to water when not pumping 26.5 Distance to water is 39.5

feet after pumping at 1170 G. P. M. for \_\_\_\_\_ hours.

Reference point for above measurements \_\_\_\_\_

Type of pump \_\_\_\_\_ Distance to cylinder \_\_\_\_\_

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Length stroke \_\_\_\_\_ Speed \_\_\_\_\_

Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_

Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level \_\_\_\_\_

(2) Pumping level \_\_\_\_\_ (3) Discharge \_\_\_\_\_

(4) Influence on other wells \_\_\_\_\_

Temperature of water \_\_\_\_\_ Was water sample collected \_\_\_\_\_

Date 1952 Effect of water on meters, hot water  
coils, etc. \_\_\_\_\_

Date of Analysis \_\_\_\_\_ Analysis No. \_\_\_\_\_

Recorder J. P. Dorr

Date 9-29-58

City E. St. Louis County St Clair

Section 9.242 Twp. No. 2N Range 9W

Location (in feet from section corner) \_\_\_\_\_

Owner Penix R.R. Rose Lake Authority \_\_\_\_\_

Contractor Roundhouse  
H.C. Watson (Monetti) Address \_\_\_\_\_

Date drilled 9/41 Elev. above sea level top of well 420

Depth 115

Log Pleistocene over bedrock > than 120 ft

Water 90-115

Were drill cuttings saved \_\_\_\_\_ Where filed \_\_\_\_\_

Size hole \_\_\_\_\_ If reduced, where and how much \_\_\_\_\_

Casing record 15' of #60 Screen 12" diameter Johnson

Distance to water when not pumping 27 Distance to water is \_\_\_\_\_

feet after pumping at 300 G. P. M. for \_\_\_\_\_ hours.

Reference point for above measurements \_\_\_\_\_

Type of pump \_\_\_\_\_ Distance to cylinder \_\_\_\_\_

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Length stroke \_\_\_\_\_ Speed \_\_\_\_\_

Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_

Rating of motor \_\_\_\_\_ Rating of pump in G. P. M. \_\_\_\_\_

Can following be measured: (1) Static water level \_\_\_\_\_

(2) Pumping level \_\_\_\_\_ (3) Discharge \_\_\_\_\_

(4) Influence on other wells \_\_\_\_\_

Temperature of water \_\_\_\_\_ Was water sample collected \_\_\_\_\_

Date 9/29/58 Effect of water on meters, hot water

coils, etc. \_\_\_\_\_

Date of Analysis \_\_\_\_\_ Analysis No. \_\_\_\_\_

Recorder J.P. Dorr

Date 9-29-58

Penn. R. R. Roselake Sta. E. St. Louis

Drilled by H. C. Watson (graves)

Sept. 1942

Formations passed through	Thickness	Depth of Bottom
Mud	34	34
Quicksand and gravel	3	37
Quicksand	3	<u>40</u>
Sand and gravel	78'6"	118'6"

Static level from surf. 25'

Diam. 10

Reduced 7  
than 120'

Not sure of accuracy

STC 2ND W - 9.2 h

Elevation 420

380

August 25, 1942

STC 2N9W-10.3d,

SHORT PARTIAL MINERAL ANALYSIS

Sample of water collected from well No. 1 at the Walworth Company, Washington Park, St. Clair County, Illinois. Depth of well 122'.  
Date collected: August, 1942. Rate of pumping: 550 g.p.m.

LABORATORY NO. 93745

Determinations Made

	Parts per million
Turbidity	75.
Color	0
Odor	0
Iron Fe	
(unfiltered)	4.7
Chloride Cl	4.0
Alkalinity as $\text{CaCO}_3$	
Phenolphthalein	0.
Methyl Orange	356.
Total hardness as $\text{CaCO}_3$	343.
Total mineral content	387.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL/CH

August 25, 1942

STC 209W-10.3dz

SHORT PARTIAL MINERAL ANALYSIS

Sample of water collected from well No. 2 at the Walworth Company, Washington Park, St. Clair County, Illinois. Depth of well: 124'. Date collected, August, 1942. Rate of pumping: 600 g.p.m.

LABORATORY NO. 93747

Determinations Made

	Parts per million
Turbidity	75
Color	0
Odor	0
Iron	Fe
(unfiltered)	4.4
Chloride	Cl
Alkalinity as $\text{CaCO}_3$	3.0
Phenolphthalein	0.
Methyl Orange	380.
Total hardness as $\text{CaCO}_3$	350.
Total mineral content	397.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL/CH

4135



## Well Construction Report

Date 12/12/031. OR PRESS FIRMLY WITH BLACK INK PEN

Complete within 30 days of well completion and send to the appropriate health dept.

1. Type of Well: a. Driven Well: Casing diam. \_\_\_\_\_ in. Depth 57 ft.  
 b. Bored Well: Buried Slab ☐ Yes ☒ No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 c. Drilled Well: PVC casing Formation packer set at depth of \_\_\_\_\_ ft.  
 Hole Diameter 10 in. to 55 ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)
Bentonite			0	18	

- d. Drilled Well: Steel Casing--- Mechanically Driven ☐ Yes ☐ No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)

- e. Well finished within: ☒ Unconsolidated Materials ☐ Bedrock

f. Kind of Gravel Sand Pack	Grain Size/Supplier #	From (ft.)	To (ft.)
muscatine		18	55

2. Well Use: ☐ Domestic ☐ Irrigation ☒ Commercial ☐ Livestock  
☐ Monitoring ☐ Other  
 3. Date Well Completed: 12/10/03 Well Disinfected ☒ Yes ☐ No  
 Driller's estimated well yield 25-30 gpm  
 4. Date Permanent Pump Installed: 12/10/03  
 5. Pump Capacity 10 gpm Set at (depth) 46 ft.  
 6. Pitless Adapter Model and Manufacturer: Baker 100 BP  
 7. Well Cap Type and Manufacturer: 6" vented PVC Paulus  
 8. Pressure Tank Working Cycle: 10-3 gals. Captive Air: ☒ Yes ☐ No  
 9. Pump System Disinfected: ☒ Yes ☐ No  
 10. Name of Pump Company: Goulds  
 11. Pump Installer: Randy Gebke License # 102003936  
 12. Kohnen Concrete Products, Inc. License # 102 000304  
 Licensed Pump Contractor Signature

Illinois Department of Public Health  
 Division of Environmental Health  
 525 W. Jefferson Street  
 Springfield, IL 62761

Co#30015  
 DO Not write on these lines

IMPORTANT NOTICE: This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS INFORMATION IS MANDATORY. This form has been approved by the Forms Management Center.

## GEOLOGICAL &amp; WATER SURVEY WELL RECORD

13. Property Owner CSX Transportation HN Cabin Well # \_\_\_\_\_  
 14. Driller Ralph Haake License # 092 008432  
 15. Name of Drilling Co. Kohnen Concrete Products, Inc.  
 16. Permit No. 529 04 2003 Date Issued 10/20/03  
 17. Date Drilling Started 12/10/03  
 18. Well SITE address \_\_\_\_\_  
 19. Township Name Canteen Land ID # \_\_\_\_\_  
 20. Subdivision Name \_\_\_\_\_ Lot # \_\_\_\_\_  
 21. Location: a. County ST Clair Co/ East Side Health Dist.  
 b. Township 2 N Range 9 W Section 10  
 c. NE Quarter NW Quarter NE Quarter 34  
 d. coordinates: \_\_\_\_\_ Site Elevation \_\_\_\_\_ ft. (msl)

## 22. Casings, Liners\*, &amp; Screen Information

Diam. (in.)	Material	Joint	Slot Size	From (ft.)	To (ft.)
6	PVC	solvent	solid	0+2	42
6	PVC	solvent	screen	42	52
6	PVC	solvent	solid	52	55

(\*)

(List reason for liner, type of upper and lower seals installed)

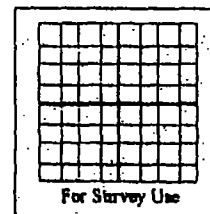
23. Water from sand brown at a depth of 32 ft. to 55 ft.  
 a. static water level 18 ft. below casing which is 24 in. above ground  
 b. pumping level is \_\_\_\_\_ ft. pumping \_\_\_\_\_ gpm after pumping for \_\_\_\_\_ hours

## 24. Earth Materials Passed Through

	From (ft.)	To (ft.)
fill, cinders	0	7
clay brown	7	28
sand brown, fine	28	32
sand brown, small gravel	32	52
sand, small gravel, gray clay	52	55

(If DRY HOLE, fill out log &amp; indicate how hole was sealed)

- Clarence Johnson CB 102 000304  
 25. Licensed Water Well Contractor Signature License Number



ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

WATER WELL SEALING FORM

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

TYPE OR PRESS FIRMLY

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

- Ownership (Name of Controlling Party) Central States Battery L198020002
- Well Location 3649 Collinsville Rd. Collinsville Madison  
Address - Lot Number City County  
General Description Township 3N (N)(S) Range 9W (E)(W) Section 34  
SE 1/4 Quarter of the SW 1/4 Quarter of the SE 1/4 Quarter 2a
- Year Drilled 1987
- Drilling Permit Number (and date, if known) Well No. G-101 Monitoring Well
- Type of Well Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_
- Total Depth 23.0' Diameter (inches) 2"  
Formation clear of obstruction X Yes \_\_\_\_\_ No \_\_\_\_\_
- DETAILS OF PLUGGING  
Filled with Pure Grout Bentonite Slurry from 23' to 2' ft.  
(cement or other materials)  
Kind of plug Bentonite Chips from 2' to 0' ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
- CASING RECORD Upper 2 feet of casing removed X Yes \_\_\_\_\_ No \_\_\_\_\_
- Date well was sealed Month May Day 16 Year 2003
- Licensed water well driller or other person approved by the Department performing well sealing.

Michael R. Kosydor  
Name

5967 J Road  
Address

MRK Environmental Exploration, Inc  
Complete License Number

Waterloo  
City

IL/62298  
State/ZIP

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

IL 482-0631

2557835

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

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1. Ownership (Name of Controlling Party) Central States Battery L 198020002
2. Well Location 3649 Collinsville Rd. Collinsville Madison  
Address - Lot Number City County
- General Description Township 3N (N)(S) Range 9W (E)(W) Section 34  
SE 1/4 Quarter of the SW 1/4 Quarter of the SE 1/4 Quarter 3a
3. Year Drilled 1987
4. Drilling Permit Number (and date, if known) Well No. 6102 - Monitoring Well
5. Type of Well Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_
6. Total Depth 20.5' Diameter (inches) 2"  
Formation clear of obstruction X Yes \_\_\_\_\_ No \_\_\_\_\_
8. DETAILS OF PLUGGING  
Filled with Pure GROUT Bentonite Slurry from 20.5' to 2' ft.  
(cement or other materials)  
Kind of plug Bentonite Chips from 2' to 0' ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
9. CASING RECORD Upper 2 feet of casing removed X Yes \_\_\_\_\_ No \_\_\_\_\_
10. Date well was sealed Month May Day 16 Year 2003
11. Licensed water well driller or other person approved by the Department performing well sealing.  
Michael R. Kosydar MRK Environmental Exploration, Inc.  
Name Complete License Number  
5967 J Road Waterloo IL 62298  
Address City State ZIP

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

WATER WELL SEALING FORM

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- Ownership (Name of Controlling Party) Central States Battery 4198020002
- Well Location 3649 Collinsville Rd. Collinsville Madison  
Address - Lot Number City County
- General Description Township 3N (N)(S) Range 9W (E)(W) Section 34  
SE 1/4 Quarter of the SW 1/4 Quarter of the SE 1/4 Quarter 34
- Year Drilled 1987
- Drilling Permit Number (and date, if known) Well No. 6-103 Monitoring Well
- Type of Well Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_
- Total Depth 21.7' Diameter (inches) 2"  
Formation clear of obstruction X Yes \_\_\_\_\_ No \_\_\_\_\_
- DETAILS OF PLUGGING  
Filled with Pure Grout Bentonite Slurry from 21.7' to 2' ft.  
(cement or other materials)  
Kind of plug Bentonite Chips from 2' to 0' ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
- CASING RECORD Upper 2 feet of casing removed X Yes \_\_\_\_\_ No \_\_\_\_\_
- Date well was sealed Month May Day 16 Year 2003
- Licensed water well driller or other person approved by the Department performing well sealing.

Michael R. Kosydar MRK Environmental Exploration, Inc.  
Name Complete License Number  
5967 J Road Waterloo IL 62298  
Address City State ZIP

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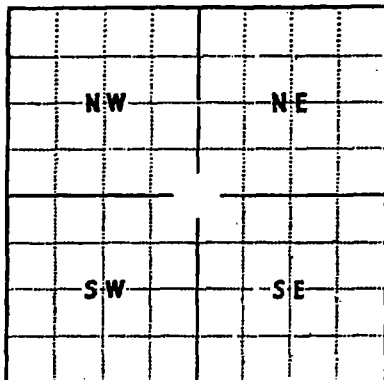
DDOT  
G. Allen

STATE OF ILLINOIS  
County of St. Clair

ss. **WATER WELL PLUGGING AFFIDAVIT**

Richard Sussen Wrlt Insp. and

Terry J. Feldmann, being first duly sworn, do depose and say the following is a true and correct statement of the details of the plugging of a certain well drilled for water and located as follows:



Locate well accurately on plot of section  
(Scale one inch=2,000 ft.)

Location in section \_\_\_\_\_  
Section 7 Township 2N Range 9W  
County St. Clair  
Well name and number I-70 #7  
Year drilled 1973  
Reason for plugging \_\_\_\_\_  
Total depth 75ft. Formation Sand  
How was depth determined? As reported \_\_\_\_\_  
As measured X  
Diameter of well at land surface 16" inches  
Was well clear of obstructions to bottom before plugging? X  
Depth of obstruction \_\_\_\_\_ Nature of obstruction \_\_\_\_\_

Drilling permit No. and date, if known unknown

Permit issued to Illinois Dept. of Transportation

Kind of drilling tools used rotary Date plugging completed 12-4-86

Property owner State of Ill. Address Springfield, Ill.

Drilling contractor Lubr Brosher Corp. Address Columbia, Ill.

**DETAILS OF PLUGGING**

Filled with <u>sand</u>	From <u>75'</u>	To <u>6'</u>	feet
<small>(Cement or other Materials)</small>			
Kind of plug <u>cement</u>	From <u>6'</u>	To <u>3'</u>	feet
Filled with <u>Earth</u>	From <u>3'</u>	To <u>0'</u>	feet
Kind of plug _____	From _____	To _____	feet
Filled with _____	From _____	To _____	feet
Kind of plug _____	From _____	To _____	feet

**CASING RECORD**

Diameter (In.)	IN WELL		PULLED OUT		REMARKS
	From (Ft.)	To (Ft.)	From (Ft.)	To (Ft.)	
16"	75		6'		
12"	75		6'		

Illinois Dept. of Transportation  
(Signature of person, firm or corporation having custody or control of well.)

Per Terry J. Feldmann

Address 112 Bobbie Dr. Belleville, Ill.

Richard Sussen  
(Signature and title of party supervising plugging of well.)

Address R.R. #3 Carlyle, Ill.

Subscribed and sworn to before me this 4 day of Dec. A.D. 1986

My commission expires Nov. 17 1987

Betty Sussen  
Notary Public

2-26-11-11

197479

Sp 504 M<sup>n</sup>  
NH<sub>4</sub> NO<sub>3</sub>

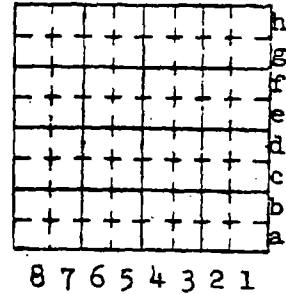
## WELL INVENTORY SCHEDULE

Well No. \_\_\_\_\_

Owner's No. \_\_\_\_\_

East St. Louis

Location ~~3-64-185~~ County St. Clair  
 Section 17 Twp. No. 2N Range 9W  
 Feet from Sec. Cor. 2500 N, 750 E of SW cor.

Owner STATE OF ILLINOIS Address \_\_\_\_\_Driller Luke Bros. Inc. Address Columbia, Ill.Date drilled 3-26-74 Method Reverse rotaryDepth 113.5' Hole record 42" 0-115'Casing record Stainless steel 16" +3'-53.5'Screen record Stainless steel slotted 16" 53.5'-113.5' .80 slot  
Gravel pack WB 40, 20'-53.5'Log see back Drill cuttings SGS Sample set no. \_\_\_\_\_Chief aquifer S+G from \_\_\_\_\_ to \_\_\_\_\_ Other aquifer \_\_\_\_\_Land surface elev. 417.98 (L) Topography flat river valleyNonpumping level 17.12' above measuring point on 4-29-74 at 10:03 AM  
(date) PMPumping level 28.01' above measuring point after pumping at1470 gpm for 165.33 hours on 5-6-74 at 7:22 AM  
(date) PMMeasuring point (MP) for above measurements edge of casing 3' above bed

Airline and measuring equipment \_\_\_\_\_

Pump and power \_\_\_\_\_

Use of water To be used in dewatering highway cut alongWater quality Interstate 64

Analysis No. and date \_\_\_\_\_ Temp. \_\_\_\_\_

Data collected by W.H. Baker Date \_\_\_\_\_Source of information State Dept. of Transportation

Can well be used in pumping test? \_\_\_\_\_ Are nearby observation

wells available? \_\_\_\_\_ Are pumping records available? \_\_\_\_\_

Are water level records available? \_\_\_\_\_

Remarks:

p. 24/435

December 10, 1974

### PARTIAL ANALYSIS

Sample of water collected May 6, 1974 from a well used for dewatering a highway cut along Interstate 64 in East St. Louis, Illinois in St. Clair County. Location of well: 2300'N, 750'E of the SW corner of Section 17-T2N-R9W. Depth of well: 113-1/2 feet. Sample collected while pumping at a rate of 1470 gpm after pumping for 165.33 hours.

### LABORATORY NO. 197479

	mg/l	me/l			mg/l	me/l
Iron(total) Fe	12		Nitrate	NO <sub>3</sub>	1.8	.03
Manganese Mn	.78		Chloride	Cl	15	.42
Ammonium NH <sub>4</sub>	tr	tr	Sulfate	SO <sub>4</sub>	229.6	4.78
			Alkalinity	(as CaCO <sub>3</sub> )	274	5.48
Turbidity	94		Hardness	(as CaCO <sub>3</sub> )	492	9.84
Color	0		Total Dissolved Minerals		657	
Odor	0					

mg/l = milligrams per liter  
me/l = milliequivalents per liter  
mg/l x .0583 = grains per gallon

### ILLINOIS STATE WATER SURVEY

Laurel M. Healey  
Associate Chemist  
217/333-0802

LMH/pcb

700000

White  
Ill. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam.  in. Depth  ft.  
Curb material  Buried Slab: Yes ☐ No ☐  
b. Driven ☐ Drive Pipe Diam.  in. Depth  ft.  
c. Drilled ☒ Finished in Drift ☒ In Rock ☐  
Tubular ☐ Gravel Packed ☒  
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

### 2. Distance to Nearest:

Building 400 Ft. Seepage Tile Field   
Cess Pool  Sewer (non Cast iron)   
Privy  Sewer (Cast iron)   
Septic Tank  Barnyard   
Leaching Pit  Manure Pile

### 3. Is water from this well to be used for human consumption?

Yes ☐ No ☒

### 4. Date well completed April 29, 1980

5. Permanent Pump Installed? Yes ☐ No ☒  
Manufacturer Layne Western Type NO. 79U-6231  
Capacity  gpm. Depth of setting  ft.

6. Well Top Sealed? Yes ☒ No ☐

7. Pitless Adaptor Installed? Yes ☐ No ☒

8. Well Disinfected? Yes ☒ No ☐

9. Water Sample Submitted? Yes ☐ No ☒

### REMARKS:

This is a dewatering well.

IDPH 4.065  
10/68

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Ill. Dept. of Trans. Well No. 12 B  
Address I-70 and I-64 Interchange

Driller Robert Kennedy License No. 102-83

11. Permit No. 89898 Date April 29, 1980

12. Water from Sands & Gravels 13. County St. Clair

Formation  
at depth 18 to 95 ft. Sec. 7

14. Screen: Diam. 16 in. Twp. 2N

Length: 60 ft. Slot .08 inch Rge. 9W

Elev. 392

X		

### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
16	Stainless Steel -	0	28.75
	AISI Type #304		
	18-8, .187" Wall		

SHOW  
LOCATION IN  
SECTION PLAT

lot #16 block #16  
on Illinois City  
SE

16. Size Hole below casing: 42 in.

17. Static level 19 ft. below casing top which is 1.0 ft.  
above ground level. Pumping level  ft. when pumping at   
gpm for  hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Very Fine Sand	15'	15'
Medium to Coarse Sand with Gravel	35'	50'
Very Coarse Sand and Gravel	15'	65'
Medium to Coarse Sand & Gravel	15'	80'
Fine to Medium Sand	5'	85'
Coarse Gravel - 6" Cobbles	10'	95'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED William Shaw DATE May 16, 1980  
William Shaw



# Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

well # W-1A

### 1. Type of Well

- a. Bored \_\_\_\_\_ Hole Diam. 42 in. Depth 114 ft  
Buried Slab: Yes \_\_\_\_\_ No ☒  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft  
c. Drilled ☒ Finished in Drift ☒ In Rock \_\_\_\_\_

### d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
neat cement	7'	54'

2. Well furnishes water for human consumption? Yes \_\_\_\_\_ No ☒  
3. Date well drilled Began cement Oct 13 91 finished 4,6,92  
4. Permanent pump installed? Yes ☒ Date 2 10 92 No \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Type SUBMERSIBLE  
Location in well  
Capacity 600 gpm. Depth of setting 60' ft.  
5. Well top sealed? Yes ☒ No \_\_\_\_\_ Type Plate  
6. Pitless adapter installed? Yes \_\_\_\_\_ No ☒  
Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_  
How attached to casing? \_\_\_\_\_  
7. Well disinfected? Yes ☒ No \_\_\_\_\_  
8. Pump and equipment disinfected Yes ☒ No \_\_\_\_\_

### IMPORTANT NOTICE

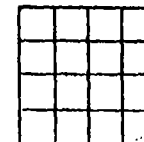
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PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

9. Driller GARY GISK License No. 102-003365  
10. Well Site Address I70 # 95  
11. Property Owner ILL DEPT TRANS Well No. W-1A  
12. Permit No. 021180 Date Issued 10 18 91  
13. Location: see drawing separate sheet 07 02N 09W  
County St Clair Sec. 77 Twp. 02N Rge. 09W



14. Water from sand at depth 60 ft

15. Casing and Liner Pipe		to <u>114</u> ft	
Diam. (in)	Kind and Weight	From (ft)	To (ft)
<u>42'</u>	<u>STAINLESS, 250</u>	<u>7'</u>	<u>64</u>

Show location in section plat

other

16. Screen: Diam. 16 in, Length 50', Slot Size 1070  
17. Size hole below casing 42' in, 18. Ground Elev. NA ft msl.  
19. Static level 34 ft below SURFACE top which is 7 ft. above BELOW ground level. Pumping level 40 ft, pumping gpm for 1 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
<u>SILT and fine sand</u>	<u>0</u>	<u>38</u>
<u>medium fine sand</u>	<u>38</u>	<u>68</u>
<u>coarse sand &amp; cobbles</u>	<u>68</u>	<u>95</u>
<u>cobbles to boulders</u>	<u>95</u>	<u>114</u>
<u>limestone</u>	<u>114</u>	

Continue on separate sheet if necessary.

Signed Gary Gisk Date 21 10 92

# Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

well # W.2 A

## 1. Type of Well

- a. Bored \_\_\_\_\_ Hole Diam. 42" in. Depth 113 ft  
Buried Slab: Yes \_\_\_\_\_ No ☒  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft  
c. Drilled ☒ Finished in Drift ☒ In Rock \_\_\_\_\_

d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Neat cement	7'	54'

2. Well furnishes water for human consumption? Yes \_\_\_\_\_ No ☒  
3. Date well drilled Before construction Jan 21 92 finished 4, 6, 92  
4. Permanent pump installed? Yes ☒ Date 2 11 92 No \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Type SUBMERSIBLE  
Location in well  
Capacity 600 gpm. Depth of setting 60' ft.  
5. Well top sealed? Yes ☒ No \_\_\_\_\_ Type Plate  
6. Pitless adapter installed? Yes \_\_\_\_\_ No ☒  
Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_  
How attached to casing? \_\_\_\_\_  
7. Well disinfected? Yes ☒ No \_\_\_\_\_  
8. Pump and equipment disinfected Yes ☒ No \_\_\_\_\_

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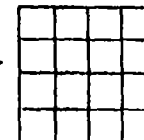
PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller GARY SISK License No. 102-09365  
10. Well Site Address E 70 & 55  
11. Property Owner ELL. DEP. TRANS. Well No. W-2 A  
12. Permit No. 021179 Date Issued 10 18 91  
13. Location: \_\_\_\_\_ County ST CLAIR  
see drawing 07 Sec. 77  
separate sheet 02N Twp. 2 N  
09W Rge. 9 W



14. Water from SAND at depth 60' ft  
15. Casing and Liner Pipe to 113 ft

Diam. (in)	Kind and Weight	From (ft)	To (ft)
16"	STAINLESS .250	7'	63'

Show location  
in section  
plat

Other \_\_\_\_\_

16. Screen: Diam. 16" in. Length 50' in. Slot Size 070  
17. Size hole below casing 42 in. 18. Ground Elev. \_\_\_\_\_ ft msl.  
19. Static level 34 ft below casing top which is 7 ft. above BELOW ground level. Pumping level 39 ft. pumping gpm for 1 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
SILT & FINE SAND	0	37
medium fine sand	37	67
coarse sand & cobbles	67	94
cobbles to Boulder	94	113
limestone	113	

Continue on separate sheet if necessary.

Signed Gary Sisk Date 4 10 92

Ill. t. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

#W 3A

1. Type of Well

- a. Bored \_\_\_\_\_ Hole Diam. 42 in. Depth \_\_\_\_\_ ft  
Buried Slab: Yes \_\_\_\_\_ No ☒  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft  
c. Drilled ☒ Finished in Drift ☒ In Rock \_\_\_\_\_

d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
<u>sextant</u>	<u>7'</u>	<u>45'</u>

2. Well furnishes water for human consumption? Yes \_\_\_\_\_ No ☒  
3. Date well drilled Begin Aug 12, 92 fruit 4, 6, 92  
4. Permanent pump installed? Yes ☒ Date 2 12 92  
Manufacturer \_\_\_\_\_ Type submersible  
Location in well  
Capacity 600 gpm. Depth of setting 55' ft.  
5. Well top sealed? Yes ☒ No \_\_\_\_\_ Type Plate  
6. Pitless adapter installed? Yes \_\_\_\_\_ No ☒  
Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_  
How attached to casing? \_\_\_\_\_  
7. Well disinfected? Yes ☒ No \_\_\_\_\_  
8. Pump and equipment disinfected Yes ☒ No \_\_\_\_\_

### IMPORTANT NOTICE

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller GARY SISK License No. 1020033 65  
10. Well Site Address E 70 & 55  
11. Property Owner ELL, DEPT, TRANS. Well No. W 3A  
12. Permit No. 021181 Date Issued 10, 18, 91  
13. Location: \_\_\_\_\_ County ST CLAIR

see Drawing 07  
separate sheet 02N  
09W

Sec. 77  
Twp. 2 N  
Rge. 9 W


14. Water from land at depth 56 ft

15. Casing and Liner Pipe		to <u>106</u> ft	
Diam. (in)	Kind and Weight	From (ft)	To (ft)
<u>16"</u>	<u>STAINLESS 1250</u>	<u>7</u>	<u>56</u>

Show location  
in section  
plat

Other

16. Screen: Diam. 16" in, Length 50' in, Slot Size 0.50  
17. Size hole below casing 42 in. 18. Ground Elev. \_\_\_\_\_ ft msl.  
19. Static level 23 ft below casing top which is 7 ft. above BELOW ground level. Pumping level 30 ft, pumping gpm for 1 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
<u>silt &amp; fine sand</u>	<u>0</u>	<u>27</u>
<u>medium fine sand</u>	<u>27</u>	<u>57</u>
<u>coarse sand &amp; cobbles</u>	<u>57</u>	<u>84</u>
<u>cobbles &amp; Boulders</u>	<u>84</u>	<u>106</u>
<u>limestone</u>	<u>106</u>	

Continue on separate sheet if necessary.

Signed Haydel Date 4, 10, 92

Write & Ink Copies:  
Ill. C of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

# 11 A

1. Type of Well

- a. Bored \_\_\_\_\_ Hole Diam. 42" Depth 100 ft  
Buried Slab: Yes \_\_\_\_\_ No \_\_\_\_\_  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft  
c. Drilled ☒ Finished in Drift ☒ In Rock \_\_\_\_\_

d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
<u>best concrete</u>	<u>7</u>	<u>35</u>

2. Well furnishes water for human consumption? Yes ☒ No ☐  
3. Date well drilled Began cut Feb 4 92 finished 4/6/92  
4. Permanent pump installed? Yes ☒ No ☐ Date \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Type submersible  
Location in well  
Capacity 600 gpm. Depth of setting 55 ft.  
5. Well top sealed? Yes ☒ No ☐ Type plate  
6. Pitless adapter installed? Yes ☐ No ☒  
Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_  
How attached to casing? \_\_\_\_\_  
7. Well disinfected? Yes ☒ No ☐  
8. Pump and equipment disinfected? Yes ☒ No ☐

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PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller GARY SIGK License No. 10200365  
10. Well Site Address 170 N 55  
11. Property Owner ILL. DEPT. TRANS Well No. 11 A  
12. Permit No. 021183 Date Issued 10 18 91  
13. Location: see drawing 07 County St Clair  
separate sheet 02N Sec. 77  
09W Twp. 2 N  
Rge. 9 W


Show location  
in section  
plot

Other

14. Water from SAND at depth 90 ft  
15. Casing and Liner Pipe to 100 ft

Diam. (in)	Kind and Weight	From (ft)	To (ft)
<u>16</u>	<u>STAINLESS 250</u>	<u>7</u>	<u>50</u>

16. Screen: Diam. 16 in, Length 50 ft, Slot Size 050  
17. Size hole below casing 42 in, 18. Ground Elev. \_\_\_\_\_ ft msl.  
19. Static level 25 ft below casing top which is 7 ft. above BELOW ground level. Pumping level 35 ft, pumping gpm for 1 hours.

20. Earth Materials Passed Through

	Depth of Top	Depth of Bottom
<u>silt &amp; fine sand</u>	<u>0</u>	<u>20</u>
<u>medium fine sand</u>	<u>20</u>	<u>50</u>
<u>coarse sand &amp; cobbles</u>	<u>50</u>	<u>80</u>
<u>cobbles to Boulder</u>	<u>80</u>	<u>100</u>
<u>limestone</u>	<u>100</u>	

Continue on separate sheet if necessary.

Signed Gary Sigk Date 4 10 92

①

White & Pink Copies:  
Ill. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

H W 15

### 1. Type of Well

- a. Bored \_\_\_\_\_ Hole Diam. 42 in. Depth 90 ft  
Buried Slab: Yes \_\_\_\_\_ No ☒  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft  
c. Drilled ☒ Finished in Drift ☒ In Rock \_\_\_\_\_

(KIND)	FROM (Ft.)	TO (Ft.)
d. Grout: <u>next cast</u>	<u>7</u>	<u>40</u>

2. Well furnishes water for human consumption? Yes \_\_\_\_\_ No ☒  
3. Date well drilled Begin Cast 128, 92 finish 46, 92  
4. Permanent pump installed? Yes ☒ Date 212 92 No \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Type submersible  
Location in well  
Capacity 600 gpm. Depth of setting 50 ft.  
5. Well top sealed? Yes ☒ No \_\_\_\_\_ Type plate  
6. Pitless adapter installed? Yes \_\_\_\_\_ No ☒  
Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_  
How attached to casing? \_\_\_\_\_  
7. Well disinfected? Yes ☒ No \_\_\_\_\_  
8. Pump and equipment disinfected Yes ☒ No \_\_\_\_\_

### IMPORTANT NOTICE

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PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller GARY GISK License No. 102007365  
10. Well Site Address E70 + 55  
11. Property Owner ILL. DEPT. TRANS. Well No. W 15  
12. Permit No. 021182 Date Issued 10.18.91  
13. Location: \_\_\_\_\_ County St Clair

see drawing  
separate sheet

07  
02N  
09W  
Sec. \_\_\_\_\_  
Twp. 02N  
Rge. \_\_\_\_\_


14. Water from sand at depth 40 ft

15. Casing and Liner Pipe		to <u>100</u> ft	
Diam. (in)	Kind and Weight	From (ft)	To (ft)
<u>16"</u>	<u>STAINLESS, 250</u>	<u>7</u>	<u>50</u>

Show location  
in section  
plot

Other ☒

16. Screen: Diam. 16 in. Length 50 in. Slot Size 050  
17. Size hole below casing 42 in. 18. Ground Elev. \_\_\_\_\_ ft msl.  
19. Static level 14 ft below casing top which is 7 ft. above BELOW ground level. Pumping level 24 ft. pumping gpm for 1 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
<u>silt &amp; fine sand</u>	<u>0</u>	<u>15</u>
<u>medium fine sand</u>	<u>15</u>	<u>45</u>
<u>coarse sand &amp; cobbles</u>	<u>45</u>	<u>75</u>
<u>cobbles to boulders</u>	<u>75</u>	<u>90</u>
<u>limestone</u>	<u>90</u>	

Continue on separate sheet if necessary.

Signed Ray Sisk Date 4, 10, 92

OK  
ENG ✓

WATER SAMPLE DATA  
LABORATORY SAMPLE NUMBER: 224511

SOURCE: DEWATERING WELL NO. I-70 W7A  
OWNER: ILLINOIS DEPARTMENT OF TRANSPORTATION  
LOCATION: NEAR E. ST. LOUIS  
COUNTY: ST. CLAIR TOWNSHIP: 2N RANGE: 9W SECTION: 7.7B  
DATE COLLECTED: 08/06/91 DATE RECEIVED: 08/09/91  
WELL DEPTH (Ft.): ND TEMPERATURE REPORTED (F): 60.  
TREATMENT: NONE  
COMMENTS: SAMPLE COLLECTED AFTER PUMPING WELL AT 600 TO 400 GPM FOR 128 MINUTES. TURBIDITY DUE TO PRECIPITATION OF ORIGINALLY DISSOLVED IRON.

PARAMETER:	mg/L	me/L	PARAMETER:	mg/L	me/L
Iron (Total Fe):	12.10		Fluoride (F):	0.4	0.02
Manganese (Mn):	0.79		Nitrate (as NO3):	-0.1	8E-4
Calcium (Ca):	196.0	9.78	Chloride (Cl):	98.3	2.77
Magnesium (Mg):	43.0	3.54	Sulfate (SO4):	304.0	6.33
Sodium (Na):	77.9	3.39			
Ammonium (as NH4):	10.4	0.58			
Other Parameters:	0.				
Silica (SiO2):	34.1		LMS		

Turbidity (Lab):	100 NTU	Alkalinity (as CaCO3):	429	8.58
Color:	-1 PCU	Hardness (as CaCO3):	666	13.32
Odor:	MUSTY	Total Diss. Minerals:	1075	
pH (in Lab):	7.2	Non-Volatile Organic Carbon		
Specific Conductance:	ND uS/cm	(Dissolved, as C):	ND	

CALCULATED VALUES:

Cation sum =	17.28	TDM =	962 mg/L
Anion sum =	17.71		
Ion diff.: (Cation - Anion) =	-0.42	Ion % difference =	-2.4 %
TDM diff.: (Res. - Calc.) =	113	TDM % difference =	11.1 %

- = Below detection limit (i.e. -1.0 = less than 1.0 mg/L)  
mg/L = milligrams per liter uS/cm = microsiemens per centimeter  
me/L = milliequivalents per liter  
ND = Not determined/Information not available

IEPA Certified Environmental Laboratory, Number 100202  
Analyst: Lauren F. Sievers  
Assistant Chemist

P. 11/11/91

WATER SAMPLE DATA  
LABORATORY SAMPLE NUMBER: 224512

SOURCE: DEWATERING WELL NO. I-70 W10  
OWNER: ILLINOIS DEPARTMENT OF TRANSPORTATION  
LOCATION: NEAR E. ST. LOUIS  
COUNTY: ST. CLAIR TOWNSHIP: 2N RANGE: 9W SECTION: 7.7B  
DATE COLLECTED: 08/08/91 DATE RECEIVED: 08/09/91  
WELL DEPTH (Ft.): ND TEMPERATURE REPORTED (F): 61.  
TREATMENT: ND  
COMMENTS: SAMPLE COLLECTED AFTER PUMPING WELL AT 450 TO 300 GPM FOR 113  
MINUTES. TURBIDITY DUE TO PRECIPITATION OF ORIGINALLY  
DISSOLVED IRON.

PARAMETER:	mg/L	me/L	PARAMETER:	mg/L	me/L
Iron (Total Fe):	14.20		Fluoride (F):	0.4	0.02
Manganese (Mn):	0.54		Nitrate (as NO3):	-0.1	8E-4
Calcium (Ca):	198.0	9.88	Chloride (Cl):	78.0	2.20
Magnesium (Mg):	50.4	4.15	Sulfate (SO4):	399.0	8.31
Sodium (Na):	65.4	2.84			
Ammonium (as NH4):	ND	0.00			
Other Parameters:	0.				
Silica (SiO2):	35.7		LMS		

Turbidity (Lab):	100 NTU	Alkalinity (as CaCO3):	388	7.76
Color:	-1 PCU	Hardness (as CaCO3):	701	14.02
Odor:	MUSTY	Total Diss. Minerals:	1150	
pH (in Lab):	7.3	Non-Volatile Organic Carbon		
Specific Conductance:	ND uS/cm	(Dissolved, as C):	ND	

CALCULATED VALUES:

Cation sum =	16.87	TDM =	1039 mg/L
Ion diff.: (Cation - Anion) =	-1.42	Anion sum =	18.29
TDM diff.: (Res. - Calc.) =	111	Ion % difference =	-8.1 %
		TDM % difference =	10.1 %

- = Below detection limit (i.e. -1.0 = less than 1.0 mg/L)  
mg/L = milligrams per liter uS/cm = microsiemens per centimeter  
me/L = milliequivalents per liter  
ND = Not determined/Information not available

IEPA Certified Environmental Laboratory, Number 100202  
Analyst: Lauren F. Sievers  
Assistant Chemist

224512

White / Pink Copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

### 1. Type of Well

a. Bored \_\_\_\_\_ Hole Diam. 42 in. Depth 86 ft  
Buried Slab: Yes \_\_\_\_\_ No X  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft  
c. Drilled X Finished in Drift \_\_\_\_\_ X Rock  
d. Grout: 

(KIND)	FROM (Ft.)	TO (Ft.)
Cement & Bentonite	8	16

2. Well furnishes water for human consumption? Yes \_\_\_\_\_ No X  
3. Date well drilled 4/10/89  
4. Permanent pump installed? Yes \_\_\_\_\_ Date \_\_\_\_\_ No X  
Manufacturer \_\_\_\_\_ Type \_\_\_\_\_  
Location \_\_\_\_\_  
Capacity \_\_\_\_\_ gpm. Depth of setting \_\_\_\_\_ ft.  
5. Well top sealed? Yes \_\_\_\_\_ No X Type \_\_\_\_\_  
6. Pitless adapter installed? Yes \_\_\_\_\_ No X  
Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_  
How attached to casing? \_\_\_\_\_  
7. Well disinfected? Yes \_\_\_\_\_ No X  
8. Pump and equipment disinfected Yes \_\_\_\_\_ No X

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PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller Kennedy License No. 102000833  
10. Well Site Address I-64 & I-70  
11. Property Owner State of Illinois Well No. 8A  
12. Permit No. IDOT Date Issued \_\_\_\_\_  
13. Location: \_\_\_\_\_ County St. Clair  
IDOT Well No. 8A Sec. 7.7b  
Twp. 2N  
Rge. 2E


Show location  
in section  
plat

14. Water from	<u>12</u>	at depth	<u>86 ft</u>
15. Casing and Liner Pipe		to	<u>ft</u>
Diam. (in)	Kind and Weight	From (ft)	To (ft)
<u>16</u>	<u>304 Stainless</u>	<u>6</u>	<u>21</u>

16. Screen: Diam. 16 in. Length 30' Slot Size 25  
17. Size hole below casing \_\_\_\_\_ in. 18. Ground Elev. 388 ft msl.  
19. Static level 12 ft below casing top which is 0 ft. above ground level. Pumping level 23.9 ft, pumping gpm for 1 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Very Fine Silty Brown Sand	0	10
Very Fine Silty Gray Sand	10	15
Fine Gray Sand	15	30
Coarse Gray Sand	30	55
Very Coarse Gray Sand & Gravel to 3" Cobbles	55	86

Continue on separate sheet if necessary.

Signed William R. Gardner Date April 13, 1989  
William R. Gardner, Project Engineer



White & Pink Copies:  
 Ill. of Public Health  
 Yellow Copy: Well Contractor  
 Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
 OF WELL COMPLETION AND SENT TO  
 THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
 DIVISION OF ENVIRONMENTAL HEALTH  
 525 WEST JEFFERSON STREET  
 SPRINGFIELD, ILLINOIS 62761

### 1. Type of Well

a. Bored \_\_\_\_\_ Hole Diam. 42 in. Depth 106 ft  
 Buried Slab: Yes \_\_\_\_\_ No X  
 b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth 0 ft  
 c. Drilled X Finished in Drift \_\_\_\_\_ In Rock \_\_\_\_\_  
 d. Grout: 

(KIND)	FROM (Ft.)	TO (Ft.)
Cement & Bentonite	8	16

2. Well furnishes water for human consumption? Yes \_\_\_\_\_ No X  
 3. Date well drilled 4/5/89  
 4. Permanent pump installed? Yes \_\_\_\_\_ Date \_\_\_\_\_ No \_\_\_\_\_  
 Manufacturer \_\_\_\_\_ Type \_\_\_\_\_  
 Location \_\_\_\_\_  
 Capacity \_\_\_\_\_ gpm. Depth of setting \_\_\_\_\_ ft.  
 5. Well top sealed? Yes \_\_\_\_\_ No X Type \_\_\_\_\_  
 6. Pitless adapter installed? Yes \_\_\_\_\_ No X  
 Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_  
 How attached to casing? \_\_\_\_\_  
 7. Well disinfected? Yes \_\_\_\_\_ No X  
 8. Pump and equipment disinfected Yes \_\_\_\_\_ No \_\_\_\_\_

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PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

*no permit # issued - contacted Dept 2/11/89 & 2/13/89 - no lead 5/31/89*

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller Kennedy License No. 102000833  
 10. Well Site Address I-64 & I-70  
 11. Property Owner State of Illinois Well No. 9A  
 12. Permit No. IDOT Date Issued \_\_\_\_\_  
 13. Location: \_\_\_\_\_ County St. Clair  
IDOT Well No. 9A  
 Sec. 7  
 Twp. 20  
 Rge. 2W


14. Water from 30.45 at depth 108 ft

15. Casing and Liner Pipe		to _____ ft	
Diam. (in)	Kind and Weight	From (ft)	To (ft)
16	304 Stainless	5	42.8

Show location in section plat

16. Screen: Diam. 16 in, Length 20 ft, Slot Size 20  
 17. Size hole below casing \_\_\_\_\_ in. 18. Ground Elev. 108 ft msl.  
 19. Static level 30.45 ft below casing top which is 0 ft. above ground level. Pumping level 41 ft, pumping gpm for 1 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Silty Fine Sand With Clay Lenses	0	14
Gray Silty Clay	14	22
Fine Brown Sand	22	25
Heavy Gray Clay	25	27
Fine Brown Sand	27	36
Gray Clay	36	41
Fine Gray Sand	41	52
Medium Gray Sand	52	56
Coarse Sand & Gravel 1"	56	66
Coarse Sand & Gravel 3" Cobbles	66	106

Continue on separate sheet if necessary.

Signed William R. Gardner Date April 13, 1989  
 William R. Gardner, Project Engineer

8.4

WATER SAMPLE DATA  
LABORATORY SAMPLE NUMBER: 225122

SOURCE: DEWATERING WELL NO. 25th ST. #4  
OWNER: ILLINOIS DEPARTMENT OF TRANSPORTATION  
LOCATION: NEAR E. ST. LOUIS  
COUNTY: ST. CLAIR TOWNSHIP: 2N RANGE: 9W SECTION: 17.6D  
DATE COLLECTED: 11/19/91 DATE RECEIVED: 11/25/91  
WELL DEPTH (Ft.): ~~ND~~ 90.3 TEMPERATURE REPORTED (F): ND  
TREATMENT: NONE  
COMMENTS: SAMPLE COLLECTED AFTER PUMPING AT RATES OF 800-600 GPM  
FOR 2 HOURS 5 MINUTES. TURBIDITY DUE TO PRECIPITATION  
OF ORIGINALLY DISSOLVED IRON.

PARAMETER:	mg/L	me/L	PARAMETER:	mg/L	me/L
Iron (Total Fe):	9.04		Fluoride (F):	0.4	0.02
Manganese (Mn):	0.56		Nitrate (as NO3):	-0.1	8E-4
Calcium (Ca):	175.0	8.73	Chloride (Cl):	34.0	0.96
Magnesium (Mg):	47.3	3.89	Sulfate (SO4):	353.0	7.35
Sodium (Na):	75.0	3.26			
Ammonium (as NH4):	ND	0.00			
Silica (SiO2):	36.4				
Turbidity (Lab):	100 NTU		Alkalinity (as CaCO3):	397	7.94
Color:	-1 PCU		Hardness (as CaCO3):	631	12.62
Odor:	NONE		Total Diss. Minerals:	993	
pH (in Lab):	7.4		Non-Volatile Organic Carbon		
Specific Conductance:	ND	uS/cm	(Dissolved, as C):	ND	

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CALCULATED VALUES:		TDM =	932 mg/L
Cation sum =	15.89	Anion sum =	16.27
Ion diff.: (Cation - Anion) =	-0.39	Ion % difference =	-2.4 %
TDM diff.: (Res. - Calc.) =	61	TDM % difference =	6.3 %

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- - Below detection limit (i.e. -1.0 - less than 1.0 mg/L)  
mg/L - milligrams per liter uS/cm - microsiemens per centimeter  
me/L - milliequivalents per liter  
ND - Not determined/Information not available

IEPA Certified Environmental Laboratory, Number 100202  
Analyst: Lauren F. Sievers  
Assistant Chemist

225122

WATER SAMPLE DATA  
LABORATORY SAMPLE NUMBER: 225019

SOURCE: DEWATERING WELL NO. I-70 #6  
OWNER: ILLINOIS DEPARTMENT OF TRANSPORTATION  
LOCATION: NEAR E. ST. LOUIS  
COUNTY: ST. CLAIR TOWNSHIP: 2N RANGE: 9W SECTION: 7.7B  
DATE COLLECTED: 10/29/91 DATE RECEIVED: 10/31/91  
WELL DEPTH (Ft.): ~~ND~~ 89.2 TEMPERATURE REPORTED (F): 59.  
TREATMENT: NONE  
COMMENTS: SAMPLE COLLECTED AFTER PUMPING 600-750 GPM FOR ABOUT 3 HOURS  
15 MINUTES. TURBIDITY DUE TO PRECIPITATED IRON.

PARAMETER:	mg/L	me/L	PARAMETER:	mg/L	me/L
Iron (Total Fe):	11.52		Fluoride (F):	0.3	0.02
Manganese (Mn):	0.47		Nitrate (as NO3):	-0.1	8E-4
Calcium (Ca):	158.0	7.88	Chloride (Cl):	81.0	2.29
Magnesium (Mg):	40.7	3.35	Sulfate (SO4):	218.0	4.54
Sodium (Na):	55.0	2.39			
Ammonium (as NH4):	ND	0.00			
Potassium (K):	7.8		LFS		
Silica (SiO2):	30.7		LFS		

Turbidity (Lab):	100 NTU	Alkalinity (as CaCO3):	363	7.26
Color:	-1 PCU	Hardness (as CaCO3):	562	11.24
Odor:	MUSTY	Total Diss. Minerals:	839	
pH (in Lab):	7.7	Non-Volatile Organic Carbon		
Specific Conductance:	ND uS/cm	(Dissolved, as C):	ND	

-----

CALCULATED VALUES:		TDM = 783 mg/L
Cation sum =	13.62	Anion sum = 14.10
Ion diff.: (Cation - Anion) =	-0.48	Ion % difference = -3.4 %
TDM diff.: (Res. - Calc.) =	56	TDM % difference = 6.9 %

-----

- = Below detection limit (i.e. -1.0 = less than 1.0 mg/L)  
mg/L = milligrams per liter uS/cm = microsiemens per centimeter  
me/L = milliequivalents per liter  
ND = Not determined/Information not available

IEPA Certified Environmental Laboratory, Number 100202  
Analyst: Lauren F. Sievers  
Assistant Chemist

225019

White Pink Copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well ✓  
 a. Bored ✓ Hole Diam. 8.25 in. Depth 30 ft  
 Buried Slab: Yes ✓ No ✓  
 b. Driven        Drive-Pipe Diam.        in. Depth        ft  
 c. Drilled        Finished in Drift        In Rock         
 d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
BENTONITE SLURRY/SEAL	17.5	11
CEMENT-BENTONITE	11	2.5

2. Well furnishes water for human consumption? Yes        No ✓  
 3. Date well drilled 06/08/93  
 4. Permanent pump installed? Yes        Date        No         
 Manufacturer        Type         
 Location         
 Capacity        gpm. Depth of setting        ft.  
 5. Well top sealed? Yes ✓ No        Type CONCRETE PAD-LOCKING PRT  
 6. Pitless adapter installed? Yes        No         
 Manufacturer        Model No.         
 How attached to casing?         
 7. Well disinfected? Yes        No         
 8. Pump and equipment disinfected Yes        No

#### IMPORTANT NOTICE

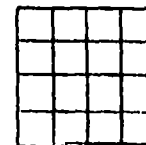
This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

9. Driller H.T. BALDWIN License No. 092-007053  
 10. Well Site Address         
 11. Property Owner WASTE MANAGEMENT OF IL Well No. G020  
 12. Permit No.        Date Issued         
 13. Location: County ST. CLAIR CO. IL

Sec. 5  
 Twp. T2N  
 Rge. R9W



Show location in section plat

14. Water from ALLUVIAL DEPOSITS at depth 7.9 ft to 29.5 ft

15. Casing and Liner Pipe			
Diam. (in)	Kind and Weight	From (ft)	To (ft)
2	SCHEDULE 40, 304SS WELL SCREEN	DEPTH 29.5	DEPTH 19.5
2	SCHEDULE 40, 304SS WELL CASING	DEPTH 19.5	DEPTH 4.5

16. Screen: Diam. 2 in, Length 120 in, Slot Size 0.010 inch  
 17. Size hole below casing 8.25 in. 18. Ground Elev. 404.5 ft msl.  
 19. Static level 7.9 ft below casing top which is 4.5 ft. above ground level. Pumping level 7.9 ft, pumping        gpm for 1.35 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
CLAY WITH SILT AND SAND TO SILT-SAND	0	4
SILT-SAND-CLAY WITH RUBBISH	4	10
FINE SAND WITH SILT	10	13
FINE AND MEDIUM SAND TO FINE-MEDIUM-COARSE SAND AND GRAVEL	13	30

Continue on separate sheet if necessary.

Signed H.T. Baldwin Date 7-1-93

Whit Pink Copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well  
a. Bored ☒ Hole Diam. 8.25 in. Depth 31.5 ft  
Buried Slab: Yes ☐ No ☒  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft  
c. Drilled ☐ Finished in Drift ☐ In Rock ☐  
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
BENTONITE SLURRY/SEAL	19	11
BENTONITE-CEMENT GROUT	11	2

2. Well furnishes water for human consumption? Yes ☐ No ☒  
3. Date well drilled 06/10/93  
4. Permanent pump installed? Yes ☐ Date ☐ No ☐  
Manufacturer ☐ Type ☐  
Location ☐  
Capacity ☐ gpm. Depth of setting ☐ ft.  
5. Well top sealed? Yes ☒ No ☐ Type CONCRETE PAD-LOCKING POST  
6. Pitless adapter installed? Yes ☐ No ☐  
Manufacturer ☐ Model No. ☐  
How attached to casing? ☐  
7. Well disinfected? Yes ☐ No ☐  
8. Pump and equipment disinfected Yes ☐ No ☐

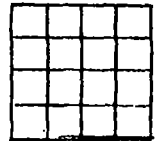
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PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

IL482-0126

9. Driller H.T. BALDWIN License No. 042-001053  
10. Well Site Address ☐  
11. Property Owner WASTE MANAGEMENT OF IL Well No. GC21  
12. Permit No. ☐ Date Issued ☐  
13. Location: ☐ County ST. CLAIR CO. IL  
Sec. 5  
Twp. T2N  
Rge. R9W



14. Water from ALLUVIAL DEPOSITS at depth 9.3 ft  
15. Casing and Liner Pipe to 31 ft  
Diam. (in) Kind and Weight From (ft) To (ft)  
2 SCHEDULE 40, 304/SS DEPTH DEPTH  
WELL SCREEN 31 21  
2 SCHEDULE 40, 304/SS DEPTH ABOVE  
WELL CASING 21 31.5

16. Screen: Diam. 2 in, Length 120 in, Slot Size 0.010 inch  
17. Size hole below casing ☐ in. 18. Ground Elev. 406.2 ft msl.  
19. Static level 9.3 ft below casing top which is 3.5 ft. above ground level. Pumping level 9.3 ft, pumping 5 gpm for 1.25 hours.  
20. Earth Materials Passed Through

	Depth of Top	Depth of Bottom
CLAY WITH SILT AND SAND	0	7
CLAY, SILT, SAND, CINDERS, GRAVEL, AND RUBBISH	7	9.5
SILT-SAND-CLAY TO SILT WITH SAND AND CLAY	9.5	15.5
FINE SAND	15.5	31.5

Continue on separate sheet if necessary.

Signed H.T. Baldwin Date 7-1-93

White Pink Copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

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THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

### 1. Type of Well

- a. Bored ☒ Hole Diam. 8.25 in. Depth 31 ft  
Buried Slab: Yes ☐ No ☒  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft  
c. Drilled ☐ Finished in Drift ☐ In Rock ☐

d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
BENTONITE SEAL	19	10
CEMENT-BENTONITE SEAL	10	3

2. Well furnishes water for human consumption? Yes ☐ No ☒  
3. Date well drilled 06/08/93  
4. Permanent pump installed? Yes ☐ Date ☐ No ☐  
Manufacturer ☐ Type ☐  
Location ☐  
Capacity ☐ gpm. Depth of setting ☐ ft.  
5. Well top sealed? Yes ☒ No ☐ Type CONCRETE PAD-LOCKING POST  
6. Pitless adapter installed? Yes ☐ No ☒  
Manufacturer ☐ Model No. ☐  
How attached to casing? ☐  
7. Well disinfected? Yes ☐ No ☐  
8. Pump and equipment disinfected Yes ☐ No ☐

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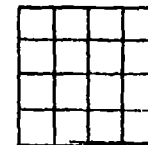
PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

IL482-0126

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller H.T. BALDWIN License No. 092-007053  
10. Well Site Address ☐  
11. Property Owner WASTE MANAGEMENT OF IL Well No. G022  
12. Permit No. ☐ Date Issued ☐  
13. Location: County ST. CLAIR CO., IL

Sec. 5  
Twp. 12N  
Rge. 6W



14. Water from ALLUVIAL DEPOSITS at depth 9.0 ft

15. Casing and Liner Pipe		to <u>31.0</u> ft	
Diam. (in)	Kind and Weight	From (ft)	To (ft)
<u>2</u>	<u>SCHEDULE 40, 304 SS WELL SCREEN</u>	<u>31</u>	<u>21</u>
<u>2</u>	<u>SCHEDULE 40, 304 SS WELL CASING</u>	<u>21</u>	<u>4 ABOVE GROUND</u>

Show location in section plat

16. Screen; Diam. 2 in, Length 120 in, Slot Size 0.010 inches  
17. Size hole below casing 8.25 in. 18. Ground Elev. 406.0 ft msl.  
19. Static level 9.0 ft below casing top which is 4 ft. above ground level. Pumping level 9.0 ft, pumping 5 gpm for 1,083 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
CLAY WITH SAND AND SILT TO SILT-SAND-CLAY	<u>0</u>	<u>6</u>
CLAY WITH SILT AND SAND TO ROCKY SAND-SAND-INTERBEDDED	<u>6</u>	<u>8</u>
FINE TO FINE-MEDIUM SAND	<u>8</u>	<u>31</u>

Continue on separate sheet if necessary.

Signed H.T. Baldwin Date 7-1-93

White Pink Copies:  
Ill. pt. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

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THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Driller H.T. BALDWIN License No. 092-001053  
10. Well Site Address \_\_\_\_\_  
11. Property Owner WASTE MANAGEMENT OF IL Well No. G024  
12. Permit No. \_\_\_\_\_ Date Issued \_\_\_\_\_  
13. Location: \_\_\_\_\_ County ST. CLAIR CO. IL  
Sec. 5  
Twp. T2N  
Rge. R9W

1. Type of Well  
a. Bored ☒ Hole Diam. 8.25 in. Depth 110 ft

Buried Slab: Yes ☐ No ☒  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft  
c. Drilled \_\_\_\_\_ Finished in Drift \_\_\_\_\_ In Rock \_\_\_\_\_

(KIND)	FROM (Ft.)	TO (Ft.)
d. Grout: <u>PORTLAND CEMENT-BENTONITE</u>	<u>93</u>	<u>80</u>
<u>CEMENT-BENTONITE</u>	<u>80</u>	<u>3</u>

2. Well furnishes water for human consumption? Yes ☐ No ☒

3. Date well drilled 05/24/93 - 05/25/93

4. Permanent pump installed? Yes ☐ Date \_\_\_\_\_ No ☐

Manufacturer \_\_\_\_\_ Type \_\_\_\_\_

Location \_\_\_\_\_

Capacity \_\_\_\_\_ gpm. Depth of setting \_\_\_\_\_ ft.

5. Well top sealed? Yes ☒ No ☐ Type CONCRETE PAD / LOCKING POST

6. Pitless adapter installed? Yes ☒ No ☐

Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_

How attached to casing? \_\_\_\_\_

7. Well disinfected? Yes ☐ No ☐

8. Pump and equipment disinfected Yes ☐ No ☐

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PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

14. Water from ALLUVIAL DEPOSITS at depth 10.6 ft

15. Casing and Liner Pipe	Diam. (in)	Kind and Weight	From (ft)	To (ft)
	<u>2</u>	<u>SCHEDULE 40, 304SS WELLS SCREEN</u>	<u>110</u>	<u>100</u>
	<u>2</u>	<u>SCHEDULE 40, 304SS WELL CASING</u>	<u>100</u>	<u>2.5 ABOVE GRADE</u>

Show location in section plat

16. Screen: Diam. 2 in. Length 10.6 in. Slot Size 0.010 inch

17. Size hole below casing 8.25 in. 18. Ground Elev. 408.5 ft msl.

19. Static level 10.8 ft below casing top which is 2.5 ft. above ground level. Pumping level 10.8 ft, pumping 5 gpm for 4 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
<u>CLAY &amp; SILT AND SAND TO SAND WITH SILT LOCALLY</u>	<u>0</u>	<u>6.5</u>
<u>CLAY-SILT-SAND TRACE RUBBISH</u>	<u>6.5</u>	<u>11.5</u>
<u>FINE TO FINE-MEDIUM TO FINE-MEDIUM COARSE SAND TRACES SILT LOCALLY</u>	<u>11.5</u>	<u>70</u>
<u>SAND AND GRAVEL INTERBEDDED SAND LAYERS, TO WEATHERED LIMESTONE</u>	<u>70</u>	<u>110</u>

Continue on separate sheet if necessary.

Signed H.T. Baldwin Date 7-93

White Pink Copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

1. Type of Well  
a. Bored ☒ Hole Diam. 8.25 in. Depth 38.5 ft

Buried Slab: Yes ☐ No ☒

b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft

c. Drilled ☐ Finished in Drift ☐ In Rock ☐

(KIND)	FROM (Ft.)	TO (Ft.)
d. Grout: <u>BENTONITE</u>	<u>26.5</u>	<u>19</u>
<u>CEMENT-BENTONITE</u>	<u>19</u>	<u>3</u>

2. Well furnishes water for human consumption? Yes ☐ No ☒

3. Date well drilled 09/07/93

4. Permanent pump installed? Yes ☐ Date ☐ No ☐

Manufacturer ☐ Type ☐

Location ☐

Capacity ☐ gpm. Depth of setting ☐ ft.

5. Well top sealed? Yes ☒ No ☐ Type CONCRETE PAD-LOCKING TEST

6. Pitless adapter installed? Yes ☐ No ☐

Manufacturer ☐ Model No. ☐

How attached to casing? ☐

7. Well disinfected? Yes ☐ No ☐

8. Pump and equipment disinfected Yes ☐ No ☐

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PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller H.T. BALDWIN License No. 092-007053

10. Well Site Address ☐

11. Property Owner WASTE MANAGEMENT OF IL Well No. G025

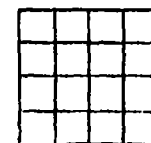
12. Permit No. ☐ Date Issued ☐

13. Location: County ST. CLAIR CO. IL

Sec. 5

Twp. T2N

Rge. R9W



14. Water from ALLUVIAL DEPOSITS at depth 17.0 ft

15. Casing and Liner Pipe		to <u>38.5</u> ft	
Diam. (in)	Kind and Weight	From (ft)	To (ft)
<u>2</u>	<u>SCHEDULE 40, 304SS</u>	<u>DEPTH</u>	<u>DEPTH</u>
	<u>WELL SCREEN</u>	<u>38.5</u>	<u>26.5</u>
<u>2</u>	<u>SCHEDULE 40, 304SS</u>	<u>DEPTH</u>	<u>DEPTH</u>
	<u>WELL CASING</u>	<u>26.5</u>	<u>4</u>

Show location in section plat

16. Screen: Diam. 2 in, Length 120 in, Slot Size 0.010 inch

17. Size hole below casing 8.25 in. 18. Ground Elev. 413.40 ft msl.

19. Static level 17.0 ft below casing top which is 4 ft. above ground level. Pumping level 170 ft, pumping 5 gpm for 1.25 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
<u>CLAY WITH SILT AND SAND TO BRICK DEBRIS AND GRAVEL AND SAND</u>	<u>0</u>	<u>8</u>
<u>SANDY CLAY TO CLAY WITH SILT AND SAND - INTERBEDDED</u>	<u>8</u>	<u>11</u>
<u>FINE SAND WITH SILT</u>	<u>11</u>	<u>16</u>
<u>FINE TO FINE AND MEDIUM SAND</u>	<u>16</u>	<u>38.5</u>

Continue on separate sheet if necessary.

Signed H.T. Baldwin Date 7-1-93



White: Pink Copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

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THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

1. Type of Well  
a. Bored ☒ Hole Diam. 8.25 in. Depth 35 ft  
Buried Slab: Yes ☐ No ☒  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft  
c. Drilled ☐ Finished in Drift ☐ In Rock ☐

d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
BENTONITE SEAL	23	17
CEMENT-BENTONITE GROUT	17	0

2. Well furnishes water for human consumption? Yes ☐ No ☒  
3. Date well drilled 06/10/93  
4. Permanent pump installed? Yes ☐ Date ☐ No ☐  
Manufacturer ☐ Type ☐  
Location ☐  
Capacity ☐ gpm. Depth of setting ☐ ft.  
5. Well top sealed? Yes ☒ No ☐ Type CONCRETE PAD - LOCKING POST  
6. Pitless adapter installed? Yes ☐ No ☐  
Manufacturer ☐ Model No. ☐  
How attached to casing? ☐  
7. Well disinfected? Yes ☐ No ☐  
8. Pump and equipment disinfected Yes ☐ No ☐

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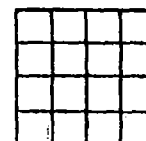
PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller H.T. Baldwin License No. 092-00753  
10. Well Site Address ☐  
11. Property Owner WASTE MANAGEMENT OF IL Well No. G026  
12. Permit No. ☐ Date Issued ☐  
13. Location: County ST. CLAIR CO. IL  
Sec. 5  
Twp. T2N  
Rge. R9W



Show location  
in section  
plat

14. Water from ALLUVIAL DEPOSITS at depth 12.3 ft  
to 35 ft

15. Casing and Liner Pipe			
Diam. (in)	Kind and Weight	From (ft)	To (ft)
2	SCHEDULE 40, 304SS WELL SCREEN	DEPTH 35	DEPTH 25
2	SCHEDULE 40, 304SS WELL CASING	DEPTH 25	DEPTH 2.5

16. Screen: Diam. 2 in, Length 120 in, Slot Size 0.010 inch  
17. Size hole below casing 8.25 in. 18. Ground Elev. 409.7 ft msl.  
19. Static level 123 ft below casing top which is 2.5 ft. above ground level. Pumping level 123 ft, pumping 5 gpm for 6.25 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
CLAY WITH SILT, SAND, CINDERS, AND BRICK DEBRIS	0	2
SILT WITH SAND AND CLAY TO SILT AND CLAY WITH SAND TO SAND WITH SILT	2	14.5
FINE SAND	14.5	35

Continue on separate sheet if necessary.

Signed H.T. Baldwin Date 7-1-93

White Pink Copies:  
Ill. pt. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

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525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well  
a. Bored ☒ Hole Diam. 8.25 in. Depth 40 ft  
Buried Slab: Yes ☐ No ☒  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft  
c. Drilled ☐ Finished in Drift ☐ In Rock ☐

d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
BENTONITE	28	19
CEMENT-BENTONITE	19	3.5

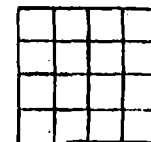
2. Well furnishes water for human consumption? Yes ☐ No ☒  
3. Date well drilled 06/07/93  
4. Permanent pump installed? Yes ☐ Date ☐ No ☐  
Manufacturer ☐ Type ☐  
Location ☐  
Capacity ☐ gpm. Depth of setting ☐ ft.  
5. Well top sealed? Yes ☒ No ☐ Type CONCRETE PAD-LOCKING POST  
6. Pitless adapter installed? Yes ☐ No ☐  
Manufacturer ☐ Model No. ☐  
How attached to casing? ☐  
7. Well disinfected? Yes ☐ No ☐  
8. Pump and equipment disinfected Yes ☐ No ☐

#### IMPORTANT NOTICE

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PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

9. Driller H.T. Baldwin License No. 092-007053  
10. Well Site Address ☐  
11. Property Owner WASTE MANAGEMENT OF IL Well No. G027  
12. Permit No. ☐ Date Issued ☐  
13. Location: County ST. CLAIR CO. IL  
Sec. 5  
Twp. T2N  
Rge. R2W



Show location  
in section  
plat

14. Water from ALLUVIAL DEPOSITS depth 17.6 ft  
15. Casing and Liner Pipe to 40 ft

Diam. (in)	Kind and Weight	From (ft)	To (ft)
2	SCHEDULE 40, 304SS WELL SCREEN	DEPTH 40	DEPTH 30
2	SCHEDULE 40, 304SS WELL CASING	DEPTH 30	ABOVE GROUND 2.5

16. Screen: Diam. 2 in, Length 129 in, Slot Size 0.010 inch  
17. Size hole below casing 8.25 in. 18. Ground Elev. 415.2 ft msl.  
19. Static level 176 ft below casing top which is 2.5 ft. above ground level. Pumping level 176 ft, pumping 5 gpm for 1.25 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
CLAY WITH SILT, SAND, WOOD DEBRIS, BRICK DEBRIS, RUBBISH	0	11
SILT WITH SAND AND CLAY	11	13
FINE SAND	13	28
FINE AND MED SAND	28	32
SAND AND GRAVEL TO SAND	32	40

Continue on separate sheet if necessary.

Signed H.T. Baldwin Date 7-1-93

White Pink Copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well ✓  
 a. Bored ✓ Hole Diam. 8.25 in. Depth 41 ft  
 Buried Slab: Yes ✓ No ✓  
 b. Driven Drive Pipe Diam.        in. Depth        ft  
 c. Drilled Finished in Drift        In Rock       

(KIND)	FROM (Ft.)	TO (Ft.)
BENTONITE	29	22.5
CEMENT-BENTONITE	22.5	3.5

d. Grout:

2. Well furnishes water for human consumption? Yes        No ✓  
 3. Date well drilled 06/07/93  
 4. Permanent pump installed? Yes        Date        No         
 Manufacturer        Type         
 Location         
 Capacity        gpm. Depth of setting        ft.  
 5. Well top sealed? Yes ✓ No        Type CONCRETE PAD-LOCKING POST  
 6. Pitless adapter installed? Yes        No         
 Manufacturer        Model No.         
 How attached to casing?         
 7. Well disinfected? Yes        No         
 8. Pump and equipment disinfected Yes        No

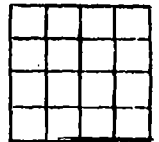
#### IMPORTANT NOTICE


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PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

IL482-0126

9. Driller H.T. Baldwin License No. 092-607053  
 10. Well Site Address         
 11. Property Owner WASTE MANAGEMENT OF IL Well No. G028  
 12. Permit No.        Date Issued         
 13. Location:        County ST. CLAIR CO. IL  
 Sec. 5  
 Twp. T2N  
 Rge. R2W



14. Water from <u>ALLUVIAL DEPOSIT</u> at depth <u>19.4</u> ft				
15. Casing and Liner Pipe to <u>41</u> ft				
Diam. (in)	Kind and Weight	From (ft)	To (ft)	Show location in section plat
<u>2</u>	<u>SCHEDULE 40, 304SS WELL SCREEN</u>	<u>DEPTH 41</u>	<u>DEPTH 31</u>	
<u>2</u>	<u>SCHEDULE 40, 304SS WELL CASING</u>	<u>DEPTH 31</u>	<u>ABOVE GRADE 4</u>	

16. Screen: Diam. 2 in, Length 120 in, Slot Size 0.010 inch  
 17. Size hole below casing 8.25 in. 18. Ground Elev. 415.9 ft msl.  
 19. Static level 19.4 ft below casing top which is 4 ft. above ground level. Pumping level 19.4 ft, pumping 5 gpm for 1.17 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
CLAY WITH SILT, SAND, GRAVEL AND BRICK CHIPS TO GRAVEL, SAND, AND BRICK DEBRIS	<u>0</u>	<u>8</u>
SAND AND SILT TO SILT-SAND-CLAY	<u>8</u>	<u>13</u>
FINE SAND WITH SILT TO TRACE SILT LOCALLY	<u>13</u>	<u>41</u>

Continue on separate sheet if necessary.

Signed H.T. Baldwin Date 7-1-93

White Pink Copies:  
Ill. pt. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

1. Type of Well/  
a. Bored ☒ Hole Diam. 8.25 in. Depth 34 ft  
Buried Slab: Yes ☐ No ☒  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft  
c. Drilled ☐ Finished in Drift ☐ In Rock ☐  
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
MONTMORILLONITE	22	18
CEMENT SANDWICH	18	4

2. Well furnishes water for human consumption? Yes ☐ No ☒  
3. Date well drilled 06/03/93 - 06/04/93  
4. Permanent pump installed? Yes ☐ Date ☐ No ☐  
Manufacturer ☐ Type ☐  
Location ☐  
Capacity ☐ gpm. Depth of setting ☐ ft.  
5. Well top sealed? Yes ☒ No ☐ Type CONCRETE PAD - LOCKING POST  
6. Pitless adapter installed? Yes ☐ No ☐  
Manufacturer ☐ Model No. ☐  
How attached to casing? ☐  
7. Well disinfected? Yes ☐ No ☐  
8. Pump and equipment disinfected Yes ☐ No ☐

### IMPORTANT NOTICE

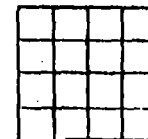
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PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

IL482-0126

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller H.T. BALDWIN License No. D92-007003  
10. Well Site Address ☐  
11. Property Owner WASTE MANAGEMENT OF IL Well No. G029  
12. Permit No. ☐ Date Issued ☐  
13. Location: County ST. CLAIR CO. IL  
Sec. 5  
Twp. T2N  
Rge. R9W



Show location  
in section  
plat

14. Water from ALLUVIAL DEPOSITS at depth 13.6 ft to 34 ft

Diam. (in)	Kind and Weight	From (ft)	To (ft)
2	SCHEDULE 40, 304SS WELL SCREEN	34	DEPTH 24
2	SCHEDULE 40, 304SS WELL CASING	DEPTH 24	DEPTH 4

16. Screen: Diam. 2 in, Length 120 in, Slot Size 0.010 inch  
17. Size hole below casing 0.25 in. 18. Ground Elev. 408.6 ft msl.  
19. Static level 13.6 ft below casing top which is 4 ft. above ground level. Pumping level 13.6 ft, pumping 5 gpm for 1.42 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
SILT AND CLAY WITH SAND	0	3
FINE SAND WITH SILT TO SILT-SAND-CLAY TO SAND WITH CLAY AND SILT-INTERBEDDED	3	21
FINE SAND TRACE SILT AND GRAVEL TO SAND WITH SILT LOCALLY	21	34

Continue on separate sheet if necessary.

Signed H.T. Baldwin Date 7-1-93

White Pink Copies:  
Ill. apt. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

## Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well  
a. Bored ☒ Hole Diam 8.25 in. Depth 109 ft  
Buried Slab: Yes ☐ No ☒  
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft  
c. Drilled ☐ Finished in Drift ☐ In Rock ☐  
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
BENTONITE/CEMENT	92	84
CEMENT/GROUT	84	0

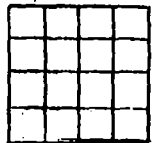
2. Well furnishes water for human consumption? Yes ☐ No ☒  
3. Date well drilled 05/28/93 - 06/02/93  
4. Permanent pump installed? Yes ☐ No ☐ Date ☐  
Manufacturer ☐ Type ☐  
Location ☐  
Capacity ☐ gpm. Depth of setting ☐ ft.  
5. Well top sealed? Yes ☒ No ☐ Type CONCRETE PAD - LOCKING POST  
6. Pitless adapter installed? Yes ☐ No ☐  
Manufacturer ☐ Model No. ☐  
How attached to casing? ☐  
7. Well disinfected? Yes ☐ No ☐  
8. Pump and equipment disinfected Yes ☐ No ☐

#### IMPORTANT NOTICE

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PRESS FIRMLY WITH BLACK PEN OR TYPE  
Do Not Use Felt Pen

9. Driller H.T. BALDWIN License No. 092-001053  
10. Well Site Address ☐  
11. Property Owner WASTE MANAGEMENT OF IL Well No. G-0.30  
12. Permit No. ☐ Date Issued ☐  
13. Location: County ST. CLAIR CO. IL  
Sec. 5  
Twp. T2N  
Rge. R9W



14. Water from <u>ALLUVIAL DEPOSITS</u> at depth <u>11.8</u> ft			
15. Casing and Liner Pipe to <u>109</u> ft			
Diam. (in)	Kind and Weight	From (ft)	To (ft)
2	SCHEDULE 40, 304SS WELL SCREEN	109	99
2	SCHEDULE 40, 304SS WELL CASING	99	ABOVE GRADE 3.5

Show location in section plat

16. Screen: Diam. 2 in, Length 129 in, Slot Size 0.075 inch  
17. Size hole below casing 8.25 in. 18. Ground Elev. 402.1 ft msl.  
19. Static level 11.8 ft below casing top which is 3.5 ft. above ground level. Pumping level 11.8 ft, pumping 5 gpm for 4 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
CLAY WITH SAND TO SANDY CLAY TO SAND WITH CLAY AND SILT	0	3
FINE SAND WITH SILT TRACE CLAY LOCALLY	3	10.5
CLAY TRACE SILT AND SAND TO CLAY WITH SILT AND SAND TO SILT TRACE SAND AND CLAY - INTERMEDIATE	10.5	18
FINE TO FINE AND MEDIUM SAND	18	42
FINE-MEDIUM SAND TO FINE-MEDIUM-COARSE SAND TO SAND AND GRAVEL	42	109

Continue on separate sheet if necessary.

Signed HT Baldwin Date 7-1-93

White & Pink Copies:  
Ill. Dept. of Public Health  
Yellow Copy: Well Contractor  
Golden Copy: Well Owner

# Well Construction Report

2421.02.4153

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS  
OF WELL COMPLETION AND SENT TO  
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

### 1. Type of Well

a. Bored \_\_\_\_\_ Hole Diam. 10.5 in. Depth 31.0 ft

Buried Slab: Yes \_\_\_\_\_ No ☒

b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft

c. Drilled \_\_\_\_\_ Finished in Drift \_\_\_\_\_ In Rock \_\_\_\_\_

(KIND)	FROM (Ft.)	TO (Ft.)
0.5" PORTLAND CEMENT-PORTLAND CEMENT GROUT	18.7	15.0
CEMENT-PORTLAND CEMENT GROUT	15.0	1.0

2. Well furnishes water for human consumption? Yes \_\_\_\_\_ No ☒

3. Date well drilled 04/27/94

4. Permanent pump installed? Yes \_\_\_\_\_ Date \_\_\_\_\_ No \_\_\_\_\_

Manufacturer \_\_\_\_\_ Type \_\_\_\_\_

Location \_\_\_\_\_

Capacity \_\_\_\_\_ gpm. Depth of setting \_\_\_\_\_ ft.

5. Well top sealed? Yes ☒ No \_\_\_\_\_ Type CONCRETE PRO LOCKING POST

6. Pitless adapter installed? Yes \_\_\_\_\_ No ☒

Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_

How attached to casing? \_\_\_\_\_

7. Well disinfected? Yes \_\_\_\_\_ No ☒

8. Pump and equipment disinfected Yes \_\_\_\_\_ No \_\_\_\_\_

### IMPORTANT NOTICE

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PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

IL482-0126

9. Driller GEOTECHNOLGY, INC. License No. 082-001053

10. Well Site Address \_\_\_\_\_

11. Property Owner WASTE MANAGEMENT OF IL Well No. R009

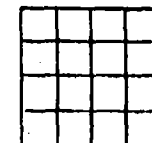
12. Permit No. \_\_\_\_\_ Date Issued \_\_\_\_\_

13. Location: \_\_\_\_\_ County ST. CLAIR

Sec. 5

Twp. T2N

Rge. R9W



14. Water from ALLUVIAL DEPOSITS at depth \_\_\_\_\_ ft

15. Casing and Liner Pipe to 30.7 ft

Diam. (in)	Kind and Weight	From (ft)	To (ft)
2	30455 SCREEN	30.7	20.7
2	5CH40 30455 RISER	20.7	+4.3 ABOVE GRADE

Show location in section plat

16. Screen: Diam. 2 in, Length 12.0 in, Slot Size 0.010 INCH

17. Size hole below casing 10.5 in. 18. Ground Elev. 405.7 ft msl.

19. Static level \_\_\_\_\_ ft below casing top which is \_\_\_\_\_ ft. above ground level. Pumping level \_\_\_\_\_ ft, pumping gpm for \_\_\_\_\_ hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
SOFT BROWN TO GRAY CLAY TRACE SILT AND SAND, TO CLAY-SILT-SAND	0.0	16.0
MED. DENSE GRAY MEDIUM AND FINE SAND TO COARSE-MED-FINE SAND TRACE SILT	16.0	30.5

Continue on separate sheet if necessary.

Signed AT Baldum Date 5-2-94

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

WATER WELL SEALING FORM

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

TYPE OR PRESS FIRMLY

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

G033

1. Ownership (Name of Controlling Party) WASTE MANAGEMENT OF ILLINOIS
2. Well Location MILAM R.D.F EAST ST. LOUIS SE. COOK  
Address - Lot Number City County  
General Description Township 2 (N)(S) Range 9 (E)(W) Section 5  
NW Quarter of the NE Quarter of the NW Quarter 64
3. Year Drilled 2003
4. Drilling Permit Number (and date, if known) \_\_\_\_\_
5. Type of Well Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_
6. Total Depth 34' Diameter (inches) 2"  
Formation clear of obstruction X Yes \_\_\_\_\_ No \_\_\_\_\_
8. DETAILS OF PLUGGING  
Filled with BENTONITE GROUT from 0.0' to 34.0' ft.  
(cement or other materials)  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
9. CASING RECORD Upper 2 feet of casing removed X Yes \_\_\_\_\_ No \_\_\_\_\_
10. Date well was sealed Month AUG. Day 8<sup>TH</sup> Year 2005
11. Licensed water well driller or other person approved by the Department performing well sealing.

Name

Complete License Number

2258 GRISSOM DRIVE  
Address

ST. LOUIS MO 63146  
City State/ZIP

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

R373338

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

WATER WELL SEALING FORM

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LOCAL HEALTH DEPARTMENT

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G034

1. Ownership (Name of Controlling Party) WASTE MANAGEMENT OF ILLINOIS
2. Well Location MILAM R.D.F. EAST ST. LOUIS ST. CLAIR  
Address - Lot Number City County  
General Description Township 2 (N)(S) Range 9 (E)(W) Section 5  
NW Quarter of the NE Quarter of the NW Quarter 64
3. Year Drilled 2003
4. Drilling Permit Number (and date, if known) \_\_\_\_\_
5. Type of Well Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_
6. Total Depth 35' Diameter (inches) 2"  
Formation clear of obstruction X Yes \_\_\_\_\_ No \_\_\_\_\_
8. DETAILS OF PLUGGING  
Filled with BENTONITE GROUT from 0.0 to 35.0 ft.  
(cement or other materials)  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.
9. CASING RECORD Upper 2 feet of casing removed X Yes \_\_\_\_\_ No \_\_\_\_\_
10. Date well was sealed Month AUG. Day 8<sup>TH</sup> Year 2005.
11. Licensed water well driller or other person approved by the Department performing well sealing.

Name [Signature]

Complete License Number \_\_\_\_\_

2258 GRISSOM DRIVE  
Address

ST. LOUIS  
City

MO 63146  
State/ZIP

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

9373339



ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

WATER WELL SEALING FORM

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LOCAL HEALTH DEPARTMENT

TYPE OR PRESS FIRMLY

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G033

1. Ownership (Name of Controlling Party) WASTE MANAGEMENT OF ILLINOIS

2. Well Location MILAM R.D.F EAST ST. LOUIS ST. CLAIR  
Address - Lot Number City County

General Description Township 2 (N)(S) Range 9 (E)(W) Section 5  
NW Quarter of the NE Quarter of the NW Quarter 6H

3. Year Drilled 2003

4. Drilling Permit Number (and date, if known) \_\_\_\_\_

5. Type of Well Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_

6. Total Depth 34' Diameter (inches) 2"

7. Formation clear of obstruction X Yes \_\_\_\_\_ No

8. DETAILS OF PLUGGING

Filled with BENTONITE GROUT from 0.0 to 34.0 ft.  
(cement or other materials)

Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

9. CASING RECORD Upper 2 feet of casing removed X Yes \_\_\_\_\_ No

10. Date well was sealed Month AUG. Day 8<sup>TH</sup> Year 2005

11. Licensed water well driller or other person approved by the Department performing well sealing.

Name [Signature]

Complete License Number P 375992

2258 GRISSOM DRIVE  
Address

ST. LOUIS MO 63146  
City State/ZIP

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 WEST JEFFERSON STREET  
SPRINGFIELD, ILLINOIS 62761

WATER WELL SEALING FORM

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LOCAL HEALTH DEPARTMENT

TYPE OR PRESS FIRMLY

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3034

1. Ownership (Name of Controlling Party) WASTE MANAGEMENT OF ILLINOIS

2. Well Location MILAM R.D.F. EAST ST. LOUIS ST. CLAIR  
Address - Lot Number City County

General Description Township 2 (N)(S) Range 9 (E)(W) Section 5  
NW Quarter of the NE Quarter of the NW Quarter 6H

3. Year Drilled 2003

4. Drilling Permit Number (and date, if known) \_\_\_\_\_

5. Type of Well Bored \_\_\_\_\_ Drilled X Other \_\_\_\_\_

6. Total Depth 35' Diameter (inches) 2"

7. Formation clear of obstruction X Yes \_\_\_\_\_ No

8. DETAILS OF PLUGGING

Filled with BENTONITE GROUT from 0.0 to 35.0 ft.  
(cement or other materials)

Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Kind of plug \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

9. CASING RECORD Upper 2 feet of casing removed X Yes \_\_\_\_\_ No

10. Date well was sealed Month AUG. Day 8<sup>TH</sup> Year 2005

11. Licensed water well driller or other person approved by the Department performing well sealing.

Name [Signature] Complete License Number 2375993

2258 GRISSOM DRIVE ST. LOUIS MO 63146  
Address City State/ZIP

**ENTACT & Associates, LLC**  
1010 Executive Court, Suite 280  
Westmont, Illinois 60559  
(630) 986-2900  
(630) 986-0653 (fax)



## **Former American Zinc Site – Technical Memorandum**

**To:** Melanie Gotto  
**Date:** February 18, 2008  
**From:** Jeff Stofferahn  
**Cc:** Pat Thomson, File  
**Subject:** Water Well Search

A water well search has been conducted for records associated with possible water wells located on the Former American Zinc Facility (Subject Facility) in Fairmont City, Illinois. To conduct this search, the Illinois Environmental Protection Agency (IEPA) Source Water Assessment Program (SWAP) ArcIMS Mapping Tool was utilized. This tool is a geographic information system that can be accessed on-line by registered users to search for water well record data compiled from databases maintained and updated by several state agencies, including the Illinois State Water Survey (ISWS), the Illinois State Geological Survey (ISGS), the Illinois Department of Public Health (IDPH), and the IEPA, Public Water Supply.

Searches were conducted by selecting the following search criteria; graphic depictions of each search result are presented in the corresponding figure numbers:

- ISWS Groundwater Data – Figures 1A through 1B.
- ISGS Wells – Figures 2A through 2D.
- Non-Community Water Supply Wells and Non-CWS Phase I Wellhead Protection Areas – Figures 3A and 3B.
- Community Water Supply Wells, CWS Phase I and Phase II Wellhead Protection Areas and Adopted Maximum Setback Zones – Figures 4A and 4B.

Searches were conducted in order of decreasing scale to ensure that no records potentially associated with the Subject Facility were missed<sup>1</sup>. Initially searches were conducted as an overview of the general area of the facility, and focused upon the entire facility itself. If no records were returned, the search for If no records were found in the Site or in the immediate vicinity,

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<sup>1</sup> Multiple searches of a given area are typically performed at different scales, as some records may not present if the scale is too large. In addition, data records may be clustered, and all the records associated with a given point may not present until the scale is decreased sufficiently.

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### ***ISWS Groundwater Data***

As depicted in Figures 1A through 1C, the search revealed five ISWS records that plotted on the Subject Facility:

ArcIHMs Site ID	ISWS Site Name	Well Type	Well Depth (feet)
15948	15787	Private	122
15946	15785	Private	110
15949	15788	Private	100
15947	15786	Private	112
15945	15784	Private	100

Access to information available from the ISWS was provided through hyperlink through the ArcsIMS system, and is presented in Attachment A. All five data points represent water sampling from private wells. These are likely to be associated with one or more of the ISGS water wells plotted on the Subject Facility (see ISGS Well Data below).

In addition, there are a total seven data points located immediately to the east of the Subject Facility, summarized below, and generally depicted in Figure 1-D<sup>2</sup>. Note that Site IDs 15939 - 15941 are not depicted but are associated with a cluster of data points depicted by IDs 15942 and 15943. Copies of the ISWS data are also presented in Attachment A. Some of these records may be associated with ISGS wells on the General Chemical Site (see ISGS Well Data below).

ArcIHMs Site ID	ISWS Site Name	Well Type	Well Depth (feet)
15939	15778	Private	98
15940	15779	Private	124
15941	15780	Private	115
15942	15781	Private	117
15943	15782	Private	ND
15938	15777	Private	115
15966	15805	Private	124

### ***ISGS Well Data***

The search revealed four ISGS wells plotted on the Subject Facility (well 01886 is associated with 01887 and 01888):

ArcIHMs Site ID	API Number	Well Type	Owner	Well Depth (feet)
29275	121632927500	Water	[REDACTED]	223
01886	121630188600	Water	American Zinc	122
01887	121630188700	Water	United Engrs	117
01888	121630188700	Water	United Engrs	123

<sup>2</sup> According to IEPA, the physical location of records other than those for community water supply wells has not been field verified, thus records plotted near the Subject facility were checked to determine if they might be associated with the Subject Facility.

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Access to well log information available from the ISGS was provided through hyperlink through the ArcsIMS system, and is presented in Attachment B

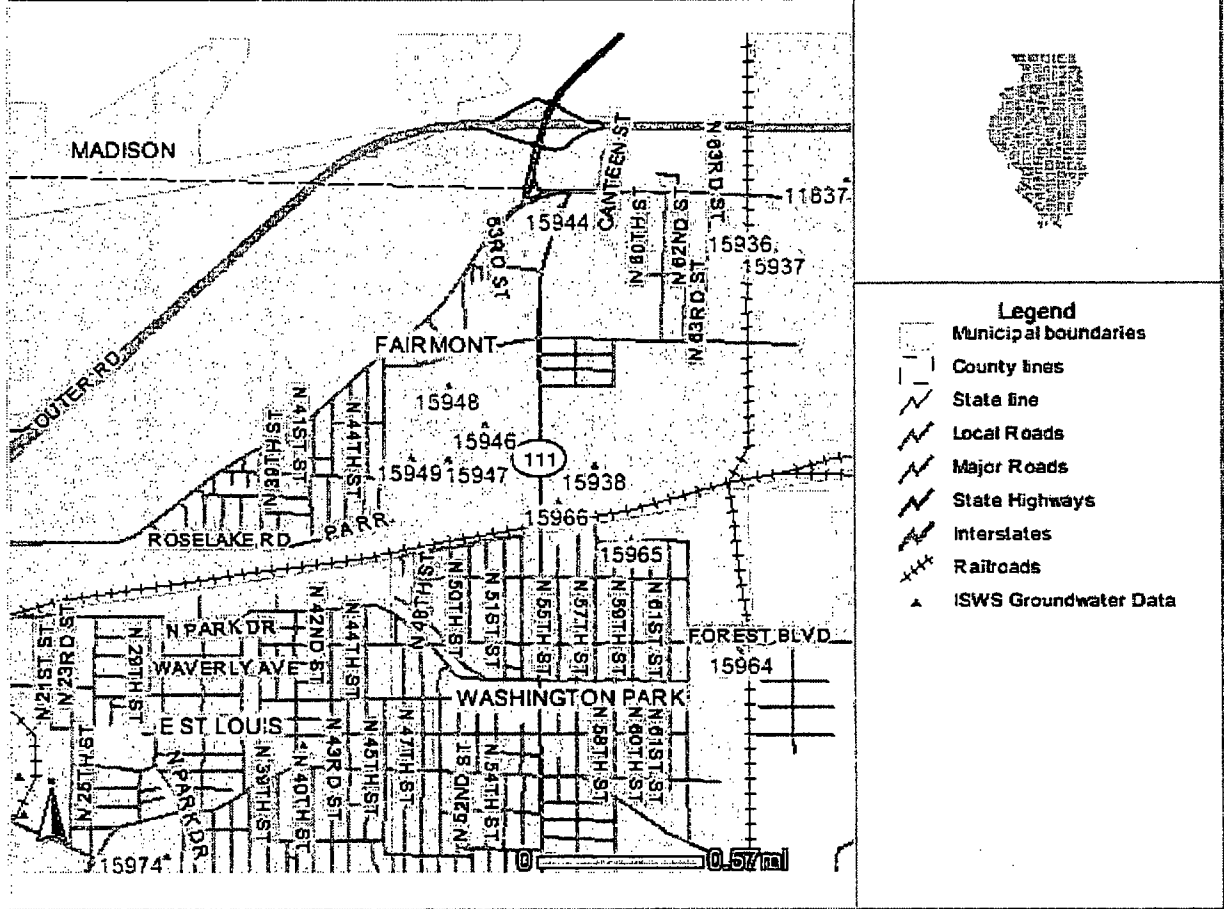
In addition, there are a total seven wells located immediately to the east and south of the Subject Facility, summarized below. These records are either engineering logs which appear to be associated with borings placed near Kings Highway and or the railroad, or are water supply wells owned by General Chemical or the railroad.

<b>ArcHMs Site ID</b>	<b>API Number</b>	<b>Well Type</b>	<b>Owner</b>	<b>Well Depth (feet)</b>
28770	121632877000	Engineering	FAU 9237	66
28771	121632877100	Engineering	FAU 9237	33
28772	121632877200	Engineering	FAU 9237	30
08194	121630189400	Water	Penn R R	119
01442	121630144200	Water	General Chemical	115
01885	121630188500	Water	General Chemical	116
01884	121630188400	Water	General Chemical	120

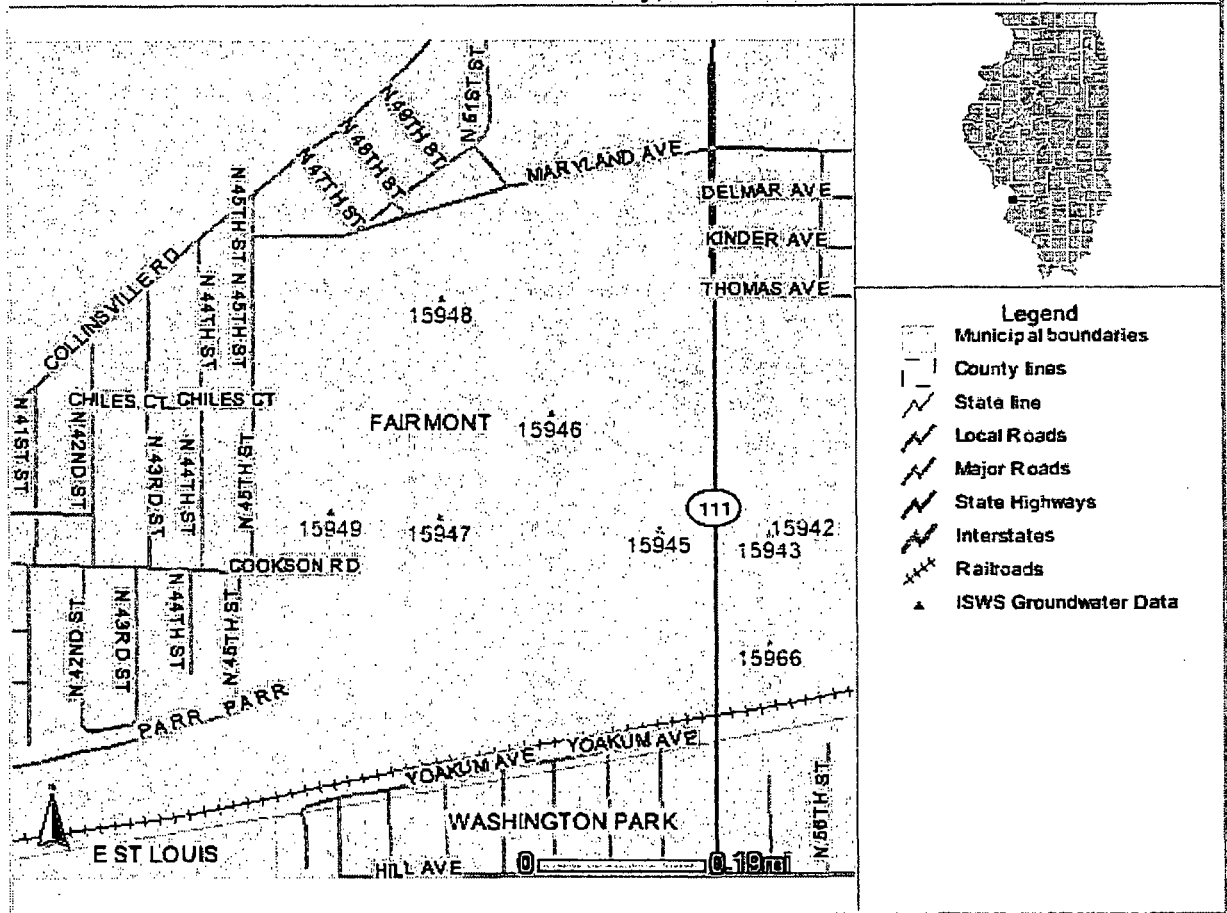
***Non-Community and Community Water Supply Well Data***

The search revealed no non-community or community water supply wells on or near the Subject Facility (Figures 3A and B, and 4A and B, respectively).

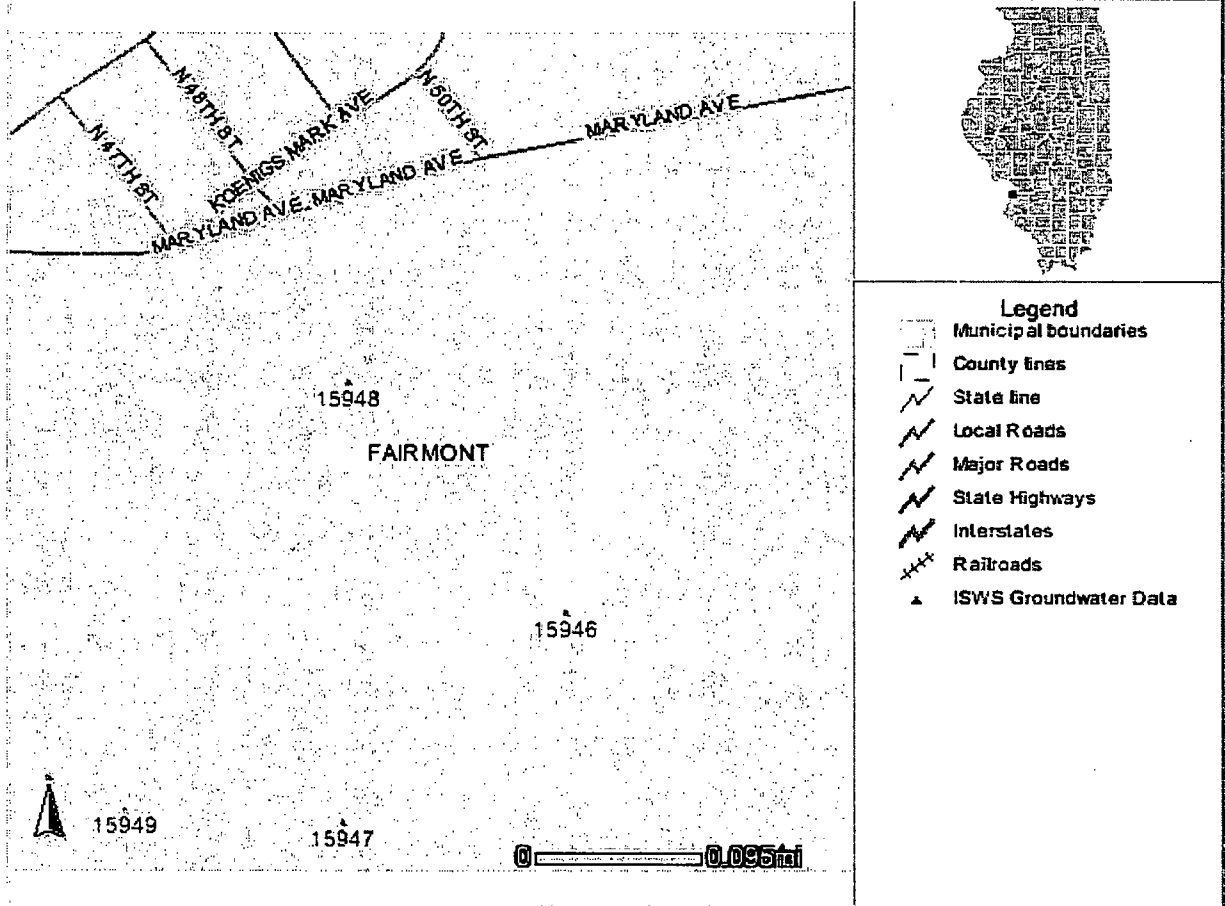
**ArcIMS HTML Viewer Map - Figure 1A**  
**Water Well Search – ISWS Groundwater Data - Overview**  
**Old American Zinc Foundry Site**  
**Fairmont City, Illinois**



**ArcIMS HTML Viewer Map - Figure 1B**  
**Water Well Search - ISWS Groundwater Data - Facility**  
**Old American Zinc Foundry Site**  
**Fairmont City, Illinois**

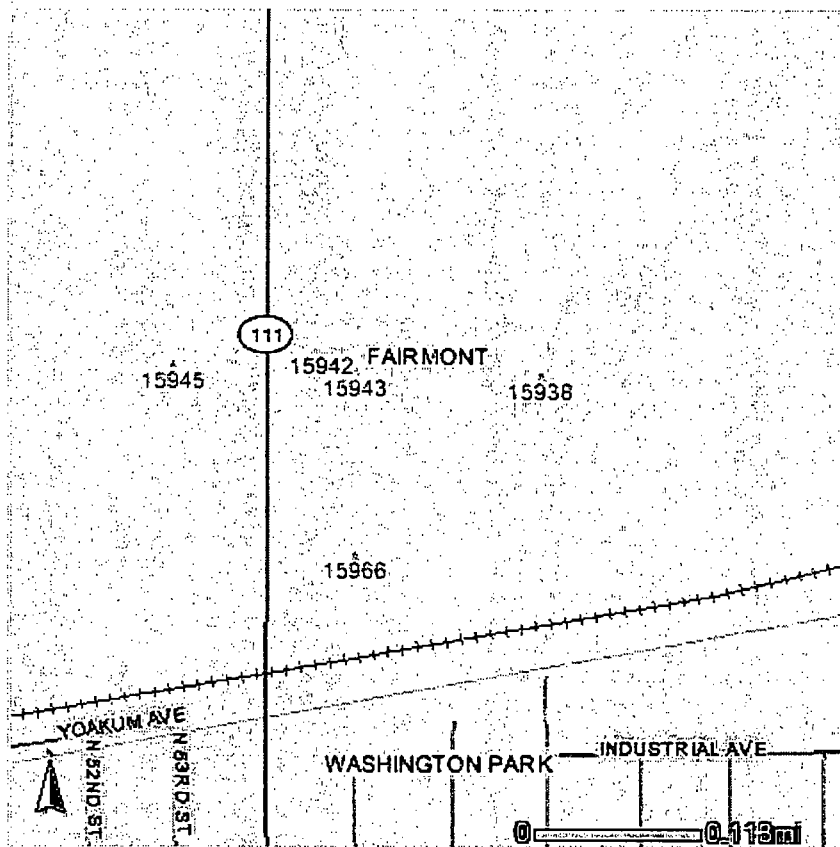


**ArcIMS HTML Viewer Map - Figure 1C**  
**Water Well Search – ISWS Groundwater Data – North End**  
**Old American Zinc Foundry Site**  
**Fairmont City, Illinois**



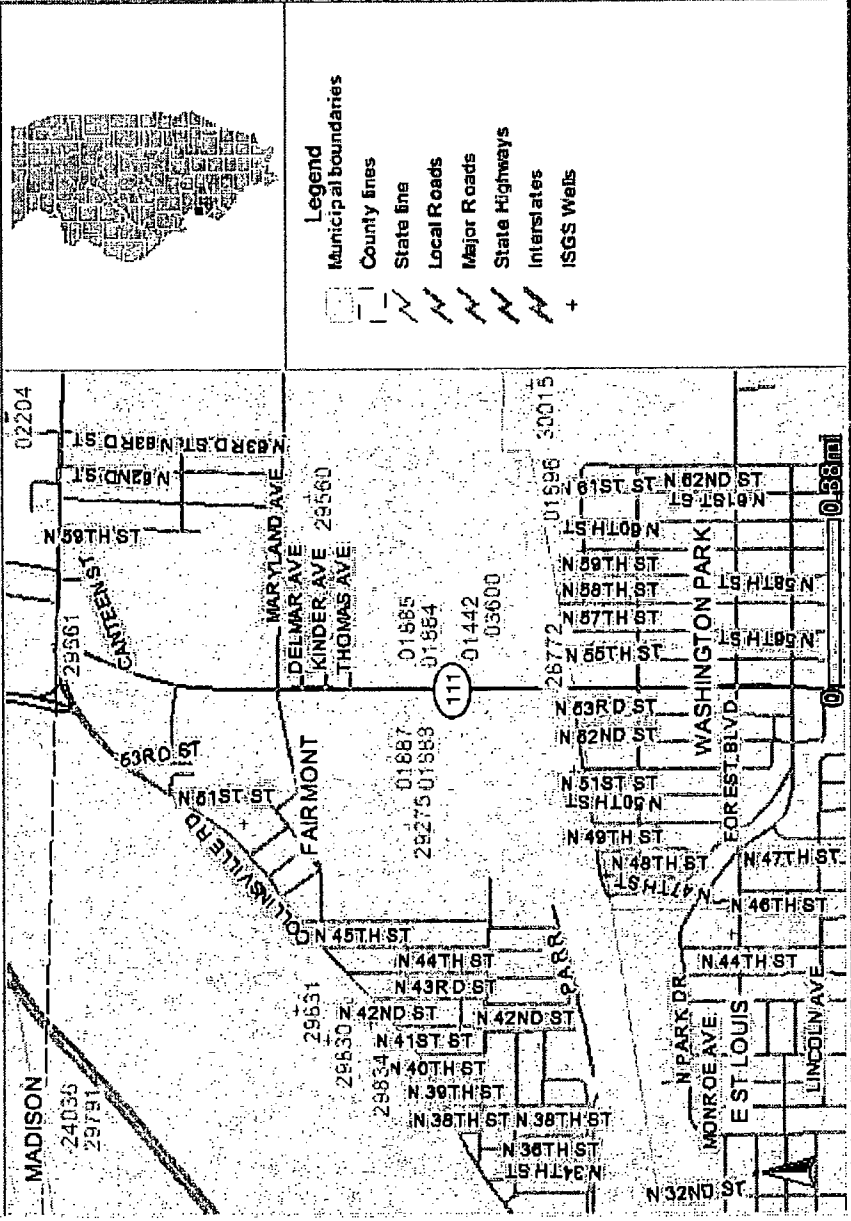


**ArcIMS HTML Viewer Map – Figure 1-D**  
**Water Well Search – ISWS - Southeast**  
**Old American Zinc Foundry Site**  
**Fairmont City, Illinois**

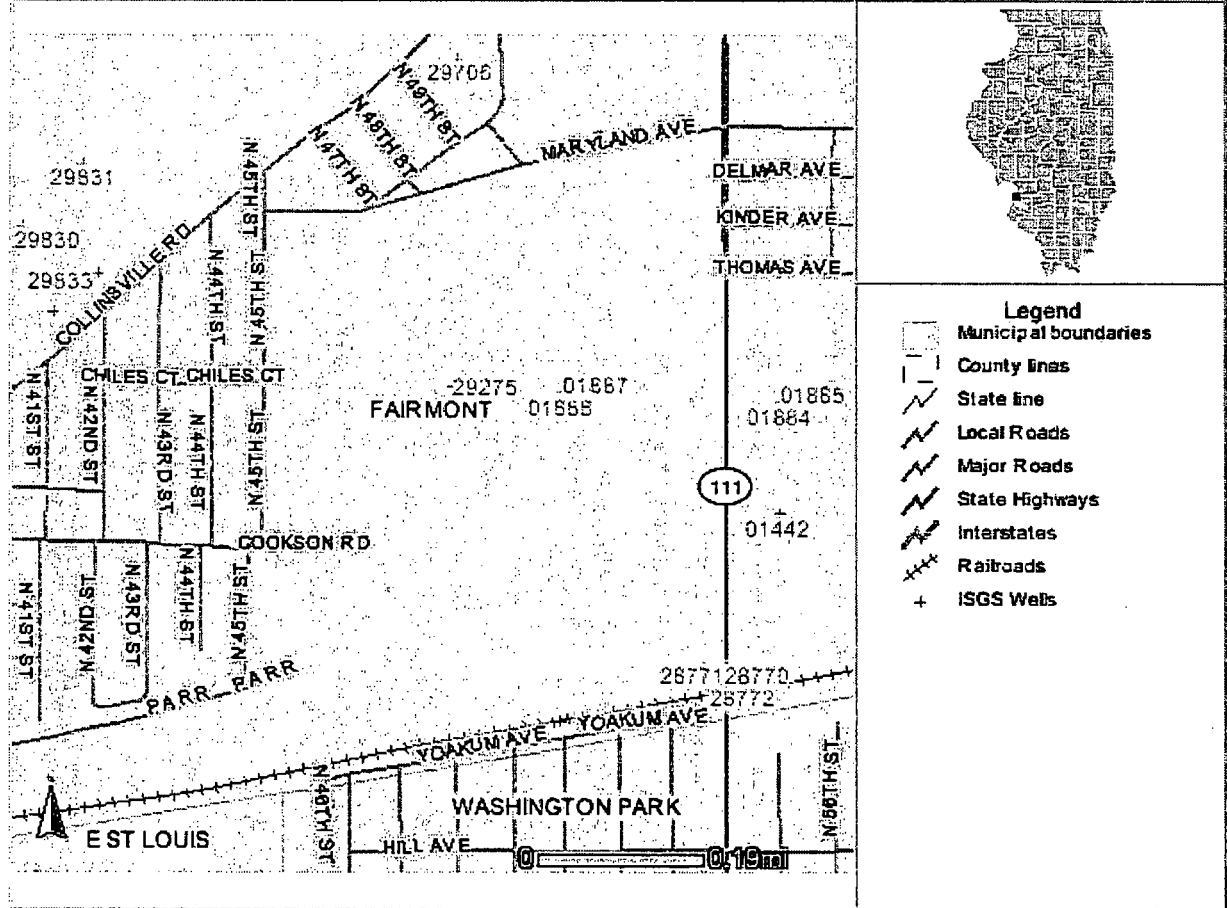


- Legend**
- Municipal boundaries
  - - - County lines
  - State line
  - Local Roads
  - Major Roads
  - State Highways
  - Interstates
  - Railroads
  - ▲ ISWS Groundwater Data

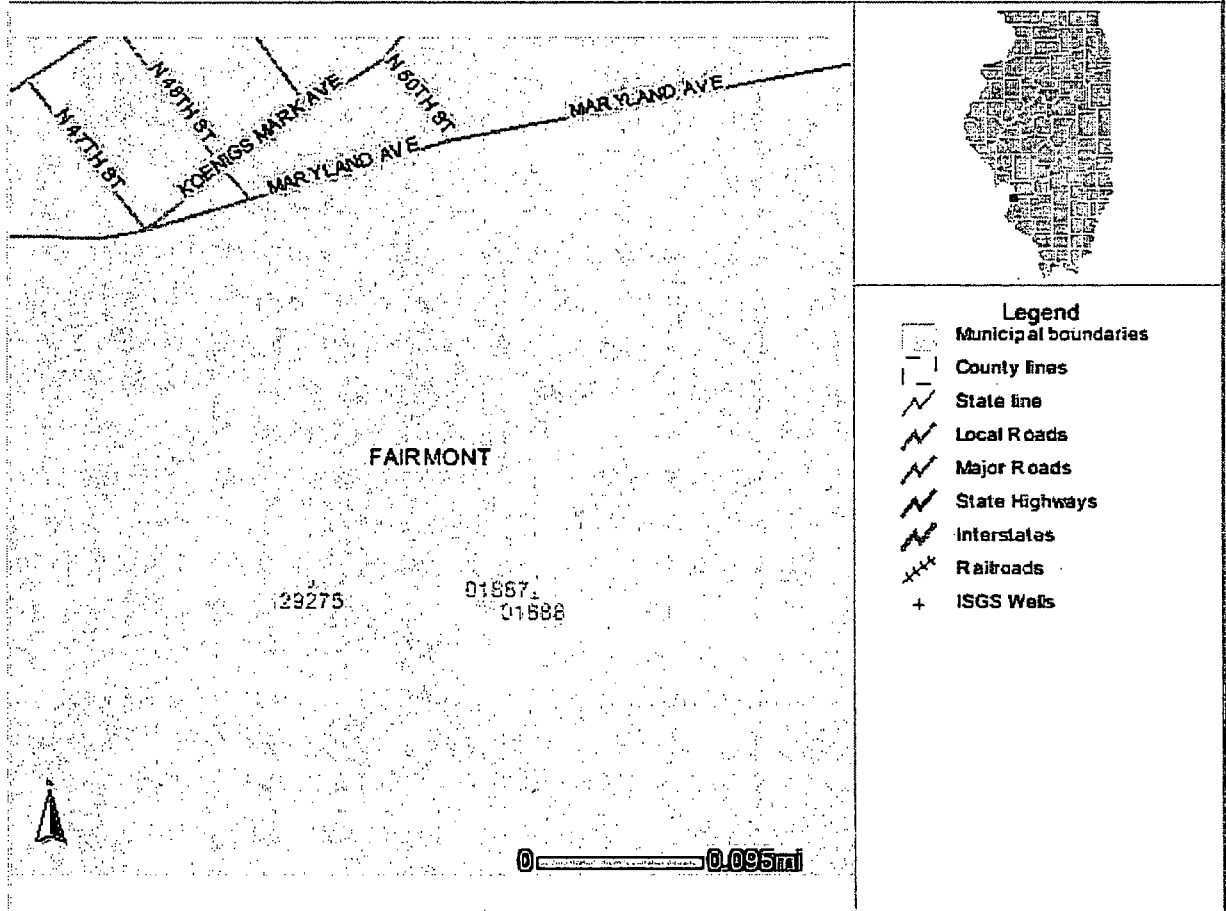
**ArcIMS HTML Viewer Map - Figure 2A**  
**Water Well Search – ISGS Wells - Overview**  
**Old American Zinc Foundry Site**  
**Fairmont City, Illinois**



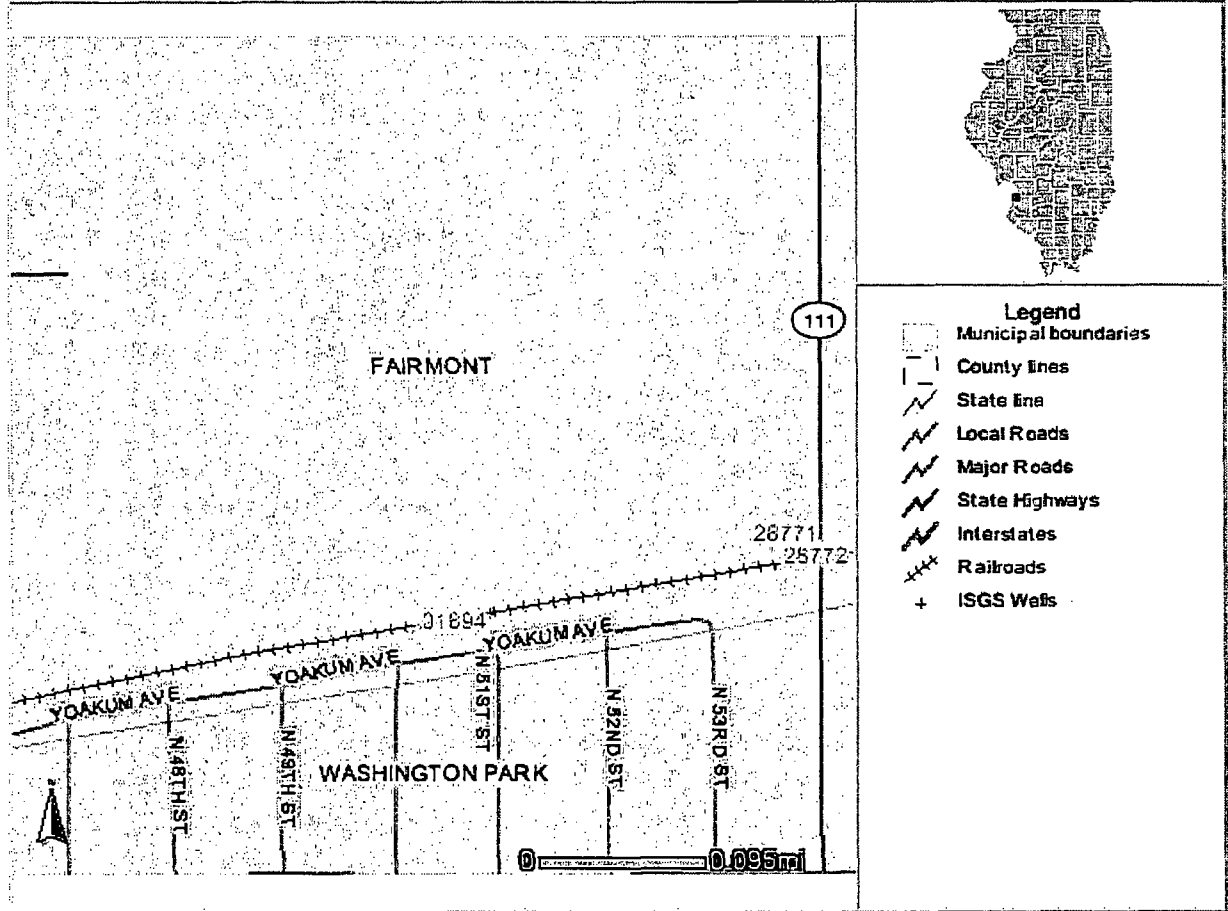
**ArcIMS HTML Viewer Map - Figure 2B-  
Water Well Search – ISGS Wells - Facility  
Old American Zinc Foundry Site  
Fairmont City, Illinois**



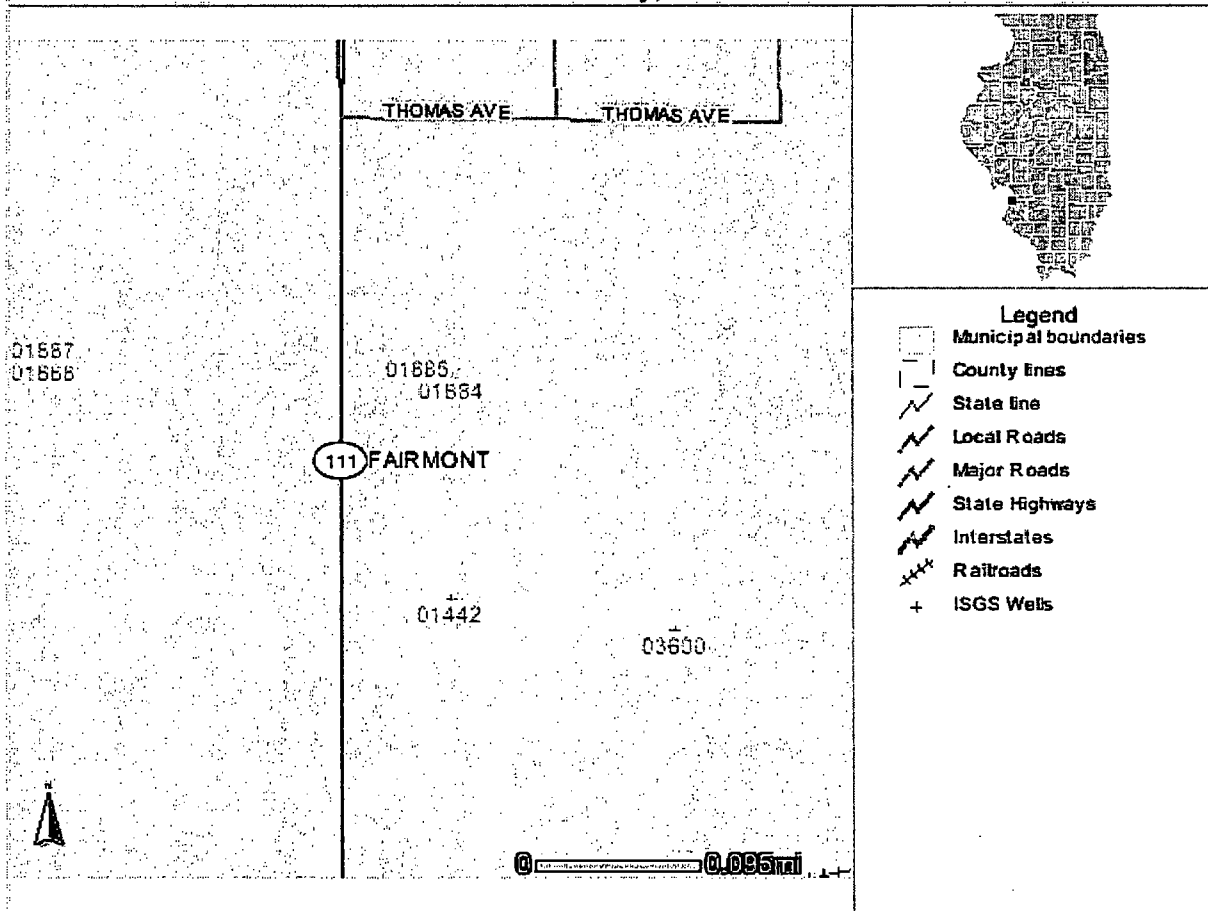
ArcIMS HTML Viewer Map - Figure 2C-  
 Water Well Search – ISGS Wells - North  
 Old American Zinc Foundry Site  
 Fairmont City, Illinois



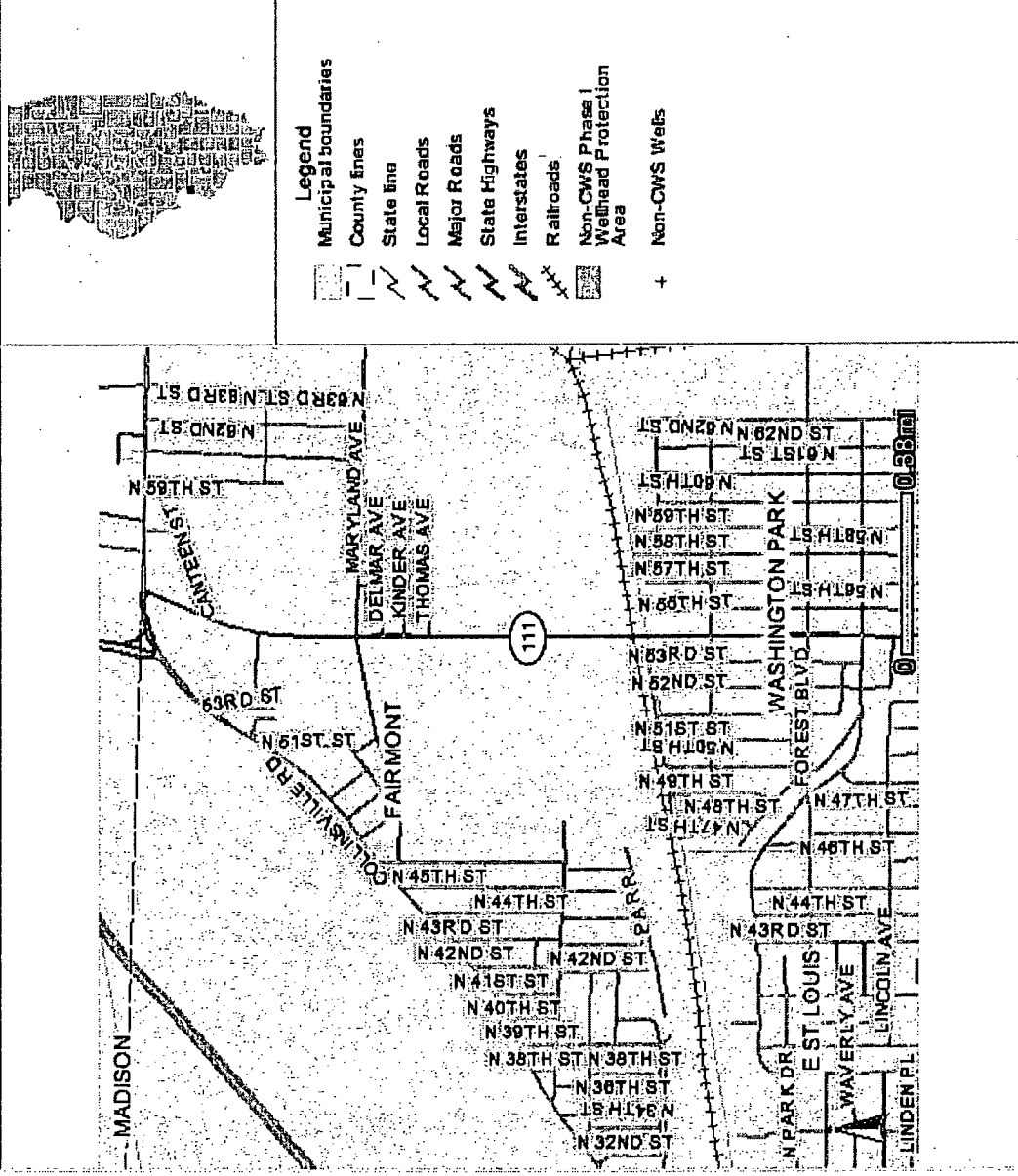
ArcIMS HTML Viewer Map - Figure 2D-  
 Water Well Search – ISGS Wells - South  
 Old American Zinc Foundry Site  
 Fairmont City, Illinois



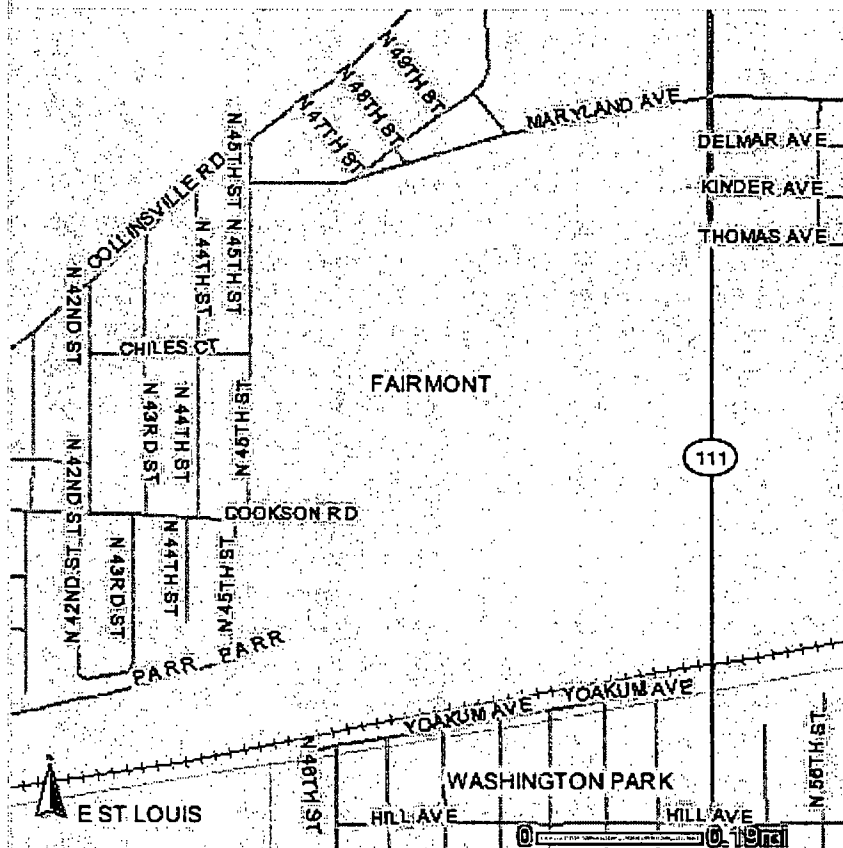
**ArcIMS HTML Viewer Map - Figure 2E**  
**Water Well Search – ISGS Wells - East**  
**Old American Zinc Foundry Site**  
**Fairmont City, Illinois**



**ArcIMS HTML Viewer Map - Figure 3-A**  
**Water Well Search - Non-Community Water Supply Wells - General Vicinity**  
**Old American Zinc Foundry Site**  
**Fairmont City, Illinois**



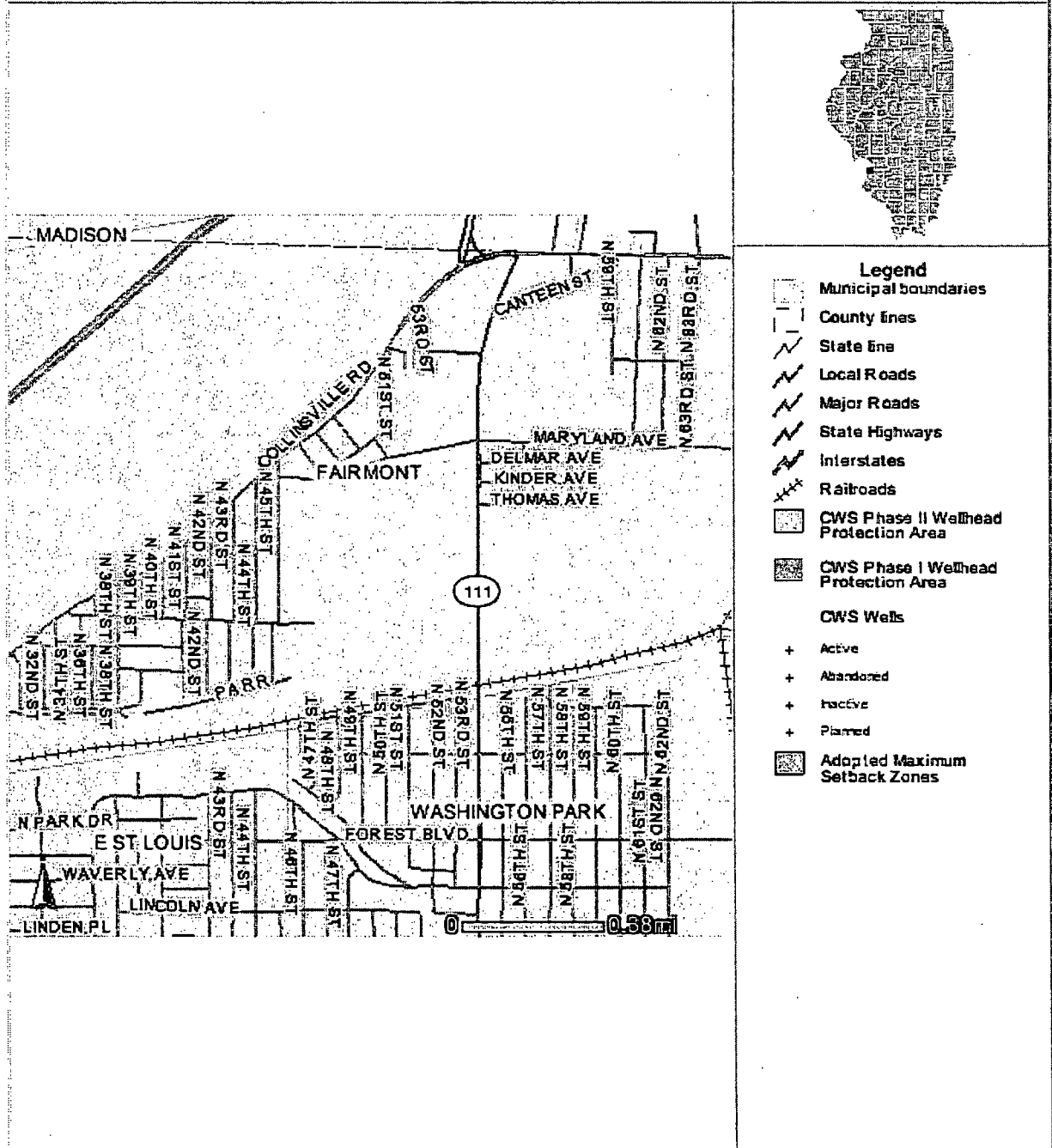
**ArcIMS HTML Viewer Map - Figure 3-B -  
Water Well Search – Non-Community Water Supply Wells – Subject Facility  
Old American Zinc Foundry Site  
Fairmont City, Illinois**



- Legend**
- Municipal boundaries
  - County lines
  - State line
  - Local Roads
  - Major Roads
  - State Highways
  - Interstates
  - Railroads
  - Non-CWS Phase I Wellhead Protection Area
  - Non-CWS Wells



**ArcIMS HTML Viewer Map - Figure 4-A**  
**Water Well Search -Community Water Supply Wells -General Vicinity**  
**Old American Zinc Foundry Site**  
**Fairmont City, Illinois**





Groundwater Quality Well Information ([click on a table heading for more information](#))

#### Site Information

<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15787			122 ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE	.0101	

#### Sample Information

<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0095725		24765

<u>Storet Number</u>	<u>Value</u>
00410	314
00900	401
00941	13
01045	6200
70300	477
71874	U 0
71875	U 0

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Groundwater Quality Well Information ([click on a table heading for more information](#))

**Site Information**



<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15785			110 ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE	0101	

**Sample Information**



<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0095726		24763

<u>Storet Number</u>	<u>Value</u>
00410	382
00900	919
00941	5
01045	4200
70300	1176
71874	U 0
71875	U 0

EX. 6  
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Groundwater Quality Well Information ([click on a table heading for more information](#))

#### Site Information

<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15788			100 ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE	0101	

#### Sample Information

<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0095864		24766

<u>Storet Number</u>	<u>Value</u>
00410	270
00900	1273
00941	43
01045	12400
70300	1882
71874	U 0
71875	U 0

EX. 6  
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Groundwater Quality Well Information ([click on a table heading for more information](#))

### Site Information



<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15786	[REDACTED]		112 ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE	0101	

### Sample Information



<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0095772		24764

<u>Storet Number</u>	<u>Value</u>
00410	312
00900	938
00941	52
01045	7600
70300	1035
71874	U 0
71875	U 0

EX. 6  
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Groundwater Quality Well Information ([click on a table heading for more information](#))

**Site Information**

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<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15784			100 ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE	0101	

**Sample Information**

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<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0190249		24762

<u>Storet Number</u>	<u>Value</u>
00070	201
00410	368
71850	0
00650	50.2
00660	0
00900	1630
00941	140
00946	1691
00951	1.5
01045	128000
01055	680
70300	2875
71875	0

EX 6  
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Groundwater Quality Well Information ([click on a table heading for more information](#))

**Site Information**

<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
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15778			98 ft.
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<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
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PRIVATE WELL	NONE	0101	
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**Sample Information**

<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
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0036718		24756
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<u>Storet Number</u>	<u>Value</u>
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00410	360
00941	10
70300	800
71874	U 0
71875	U 0

EX. 6  
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Groundwater Quality Well Information (click on a table heading for more information)

Site Information



<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15779			124 ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE		0101

Sample Information



<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0096388		24757

<u>Storet Number</u>	<u>Value</u>
00410	430
00900	1533
00916	312.9
00927	179
00929	136
00941	23
00946	1299
01045	58000
70300	2300
71874	U 0
71875	U 0

EX 6  
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Groundwater Quality Well Information ([click on a table heading for more information](#))

**Site Information**

[REDACTED]

<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15780	[REDACTED]		115 ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE		0101

**Sample Information**

[REDACTED]

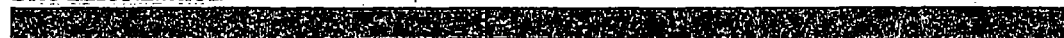
<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0096505		24758

<u>Storet Number</u>	<u>Value</u>
00410	382
00900	408
00941	5
01045	6200
70300	450
71874	U 0
71875	U 0

Ex. 6  
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Groundwater Quality Well Information ([click on a table heading for more information](#))

**Site Information**



<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15781			117 ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE	0101	

**Sample Information**



<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0096561		24759

<u>Storet Number</u>	<u>Value</u>
00410	290
00900	617
00941	12
01045	6600
70300	742
71874	U 0
71875	U 0

EX 6  
1 REDACTION

Groundwater Quality Well Information ([click on a table heading for more information](#))

#### Site Information

<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15782			ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE	0101	

#### Sample Information

<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0113384		24760

<u>Storet Number</u>	<u>Value</u>
00410	324
00900	353
00941	5
00946	32
01045	14800
70300	369
71874	U 0
71875	U 0

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Groundwater Quality Well Information ([click on a table heading for more information](#))

**Site Information**

<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15777			115 ft.
<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE	0101	

**Sample Information**

<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0190242		24755

<u>Storet Number</u>	<u>Value</u>
00070	321
71850	0.4
00900	1040
00941	17
00946	1008
00951	0.8
01045	56000
01055	5870
70300	1590

Ex. 6  
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Groundwater Quality Well Information ([click on a table heading for more information](#))

**Site Information**



<u>Site Name</u>	<u>Location</u>	<u>Well No.</u>	<u>Depth</u>
15805	[REDACTED]		124 ft.

<u>Source Type</u>	<u>Treatment</u>	<u>Aquifer</u>	<u>Records ID</u>
PRIVATE WELL	NONE	0101	

**Sample Information**



<u>Sample Number</u>	<u>Sample Date</u>	<u>Database Sample ID</u>
0095492		24783

<u>Storet Number</u>	<u>Value</u>
00410	332
00900	360
00941	5
01045	3800
70300	414
71874	U 0
71875	U 0

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